# पेटेंट कार्यालय शासकीय जर्नल

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## **पेटेंट कार्यालय का एक प्रकाशन** PUBLICATION OF THE PATENT OFFICE

## **INTRODUCTION**

In view of the recent amendment made in the Patents Act, 1970 by the Patents (Amendment) Act, 2005 effective from 01<sup>st</sup> January 2005, the Official Journal of The Patent Office is required to be published under the Statute. This Journal is being published on weekly basis on every Friday covering the various proceedings on Patents as required according to the provision of Section 145 of the Patents Act 1970. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

## (Chaitanya Prasad) CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

21<sup>st</sup> NOVEMBER, 2014

## **CONTENTS**

SUBJECT		PAGE NUMBER
JURISDICTION	:	10323 - 10324
SPECIAL NOTICE	:	10325 - 10326
CORRIGENDUM (KOLKATA)	:	10327
EARLY PUBLICATION (DELHI)	:	10328 - 10366
EARLY PUBLICATION (MUMBAI)	:	10367 - 10373
EARLY PUBLICATION (CHENNAI)	:	10374 – 10388
PUBLICATION AFTER 18 MONTHS (DELHI)	:	10389 - 11086
PUBLICATION AFTER 18 MONTHS (MUMBAI)	:	11087 – 11294
PUBLICATION AFTER 18 MONTHS (CHENNAI)	:	11295 - 11565
PUBLICATION AFTER 18 MONTHS (KOLKATA)	:	11566 - 11697
PUBLICATION U/R 84(3) IN RESPECT OF APPLICATION FOR RESTORATION OF PATENT (KOLKATA)	:	11698
PUBLICATION U/S.60 IN RESPECT OF APPLICATION FOR RESTORATION OF PATENTS (KOLKATA)	:	11699
PUBLICATION UNDER SECTION 43(2) IN RESPECT OF THE GRANT (DELHI)	:	11700 - 11703
PUBLICATION UNDER SECTION 43(2) IN RESPECT OF THE GRANT (MUMBAI)	:	11704
PUBLICATION UNDER SECTION 43(2) IN RESPECT OF THE GRANT (CHENNAI)	:	11705 - 11706
PUBLICATION UNDER SECTION 43(2) IN RESPECT OF THE GRANT (KOLKATA)	:	11707 – 11709
INTRODUCTION TO DESIGN PUBLICATION	:	11710
DESIGN CORRIGENDUM	:	11711
THE DESIGNS ACT 2000 SECTION 30 DESIGN ASSIGNMENT	:	11712
COPYRIGHT PUBLICATION	:	11713
<b>RESTORATION OF LAPSED DESIGNS UNDER SECTION</b> 12 (2) OF THE DESIGNS ACT, 2000	:	11714
REGISTRATION OF DESIGNS	:	11715 - 11765

## THE PATENT OFFICE KOLKATA, 21/11/2014

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3	The Patent Office, Government of India, Boudhik Sampada Bhavan, Plot No. 32., Sector-14, Dwarka, New Delhi – 110075 Phone: (91)(11) 2808 1921 – 25 Fax: (91)(11) 2808 1920 & 2808 1940 E.mail: <u>delhi-patent@nic.in</u>		✤ Rest of India
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Fees: The Fees may either be paid in cash or may be sent by Bank Draft or Cheques payable to the Controller of Patents drawn on a scheduled Bank at the place where the appropriate office is situated.

## पेटेंट कार्यालय

## कोलकाता, दिनांक 21/11/2014

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	एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037,		सीपी-2, सेक्टर- V, साल्ट लेक सिटी,
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	ई. मेल: Mumbai-patent@nic.in		फ़ैक्स:/Fax: (91)(33) 2367 1988
	🔹 गुजरात, महाराष्ट्र, मध्य प्रदेश, गोवा तथा छत्तीसगढ़		ई. मेल: kolkata-patent@nic.in
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	फ़ैक्स: (91)(11) 2808 1920, 2808 1940		
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पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2005 अथवा पेटेंट (संशोधन) नियम, 2006 द्वारा वांछित सभी आवेदन, सूचनाए, विवरण या अन्य दस्तावेज़ या कोई शुल्क पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में स्वीकृत होंगे। शुल्क: शुल्क या तो नगद रूप में या Controller of Patents के नाम में देय बैंक ड्राफ्ट या चेक के द्वारा भेजी जा सकती है जो उसी स्थान के किसी अनुसूचित बैंक में प्रदत्त हो जहाँ उपयुक्त कार्यालय स्थित है।

The Patent Office Journal 21/11/2014

## **SPECIAL NOTICE**

## 18 Months publication as required under Section 11A of the Patents Act, 1970 as amended by the Patents (Amendment) Act, 2005.

Notice is hereby given that any person at any time before the grant of Patent may give representation by way of opposition to the Controller of Patents at appropriate office on the ground and in a manner specified under section 25(1) of the Patents (Amendment) Act, 2005 read with Rule 55 of the Patents (Amendment) Rules, 2006.

Notice is also given that if any interested person requests for copies of the complete specification, drawing and abstract of any application already published, the photocopy of the same can be supplied by the Patent Office as per the jurisdiction on payment of prescribed fees of Rs.8/- per page. If any further details are required to be obtained, the same can be provided by the respective Patent Offices on request.

## (Chaitanya Prasad) CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

## **SPECIAL NOTICE**

Under the new provision of the Patents Act, 1970 as amended by the Patents (Amendment) Act, 2005 and Rules there under, Publication of the matter relating to Patents in the Official Gazette of India Part III, Section 2 has been discontinued and instead The Official Journal of the Patent Office is being published containing all the activities of The Patent Office such as publication of all the patent applications after 18<sup>th</sup> months , grant of patents & all other information in respect of the proceedings as required under the provisions of the Patents (Amendment) Act, 2005 and Rules thereunder on weekly basis on every **Friday**.

The Journal is uploaded in the website every Friday. So Paper form and CD-ROM form of the Journal are discontinued from 01/01/2009.

## **SPECIAL NOTICE**

Every effort is being taken to publish all the patent applications under section 11(A) of the Patents Act. However, if duplication of publication of any application is found, then earlier date of publication will be taken for the purpose of provisional protection for applicant and Patent Office will grant Patent not before six months from the date of second publication, provided that there is there is no third party representation.

## **CORRIGENDUM (KOLKATA)**

The Patent Application No. 857/KOL/2014 was published in the Official Journal No. 39/2014 dated 26/09/2014 which should be read the names of the applicants as 1.Bhattacharjee Paramita 2.Ghosh Probir Kumar 3.Das Satadal .

## **Early Publication:**

The following patent applications have been published under section 11A (2) of The Patents (Amendment) Act 2005 and rule 24A of The Patents (Amendment) Rules, 2006. Any person may file representation by way of opposition to the Controller of Patents at the appropriate office against the grant of the patent in the prescribed manner under section 25(1) of the Patents (Amendment) Act 2005 read with the rule 55 of The Patents (Amendment) Rules, 2006:

(12) PATENT APPLICATION PUBLICATION	(21) Application No.2495/DEL/2014 A
(19) INDIA	
(22) Date of filing of Application :02/09/2014	(43) Publication Date : 21/11/2014

### (54) Title of the invention : SYSTEM AND METHOD TO REMOTELY INSPECT ENTITIES FOR INSURANCE

(51) International classification	:G06F13/36	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SUNIL GUPTA
(32) Priority Date	:NA	Address of Applicant : C - 499, GROUND FLOOR,
(33) Name of priority country	:NA	SUSHANT LOK-1, GURGAON-122002 Haryana India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SUNIL GUPTA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		ł

(57) Abstract :

A System and method to remotely inspect entities for Insurance comprising a controller with storage, compute and network communication capability, one or many Administrator modules that have connectivity to controller and have WebRTC API and one or many Agent module with flexibility to move around the entity and high resolution video and picture capability and secure connectivity capability via a high speed connection and WebRTC API along with barcode scanning and Bluetooth capability.

No. of Pages : 14 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :29/09/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : A SHIFT KNOB ASSEMBLY FOR A VEHICLE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)Lumax Mannoh Allied Technologies Limited Address of Applicant :Registered Office: B-86, Mayapuri</li> </ul>
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:NA :NA	Industrial Area, Phase-I, New Delhi-110064, India R&D Center: Plot No. 164-165 (Site No. 164), Sector-5, IMT Manesar,
Filing Date	:NA	Gurgaon-122050, Haryana, India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number Filing Date	:NA :NA	1)JAKHMOLA, Vivek Kumar 2)SINGH, Shailendra Kumar
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a shift knob assembly (100) for a vehicle comprises an outer shell (102), an insert (104) having a lower neck portion (110), a ring insert (106) configured to enclose the lower neck portion (110) of the insert (104). Further, the lower neck portion (110) of the insert (104) is configured to have a plurality of beveled edge (E) and a plurality of catching protrusion (114) to couple the ring insert (106). The insert (104) is configured to receive a shift lever (108).

No. of Pages : 25 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :30/09/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : A TWIN ROD GEAR SHIFT ASSEMBLY FOR MANUAL TRANSMISSION

(51) International classification	·B23B39/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Lumax Mannoh Allied Technologies Limited
(32) Priority Date	:NA	Address of Applicant :Registered Office: B-86, Mayapuri
(33) Name of priority country	:NA	Industrial Area, Phase-I, New Delhi-110064, India R&D Center:
(86) International Application No	:NA	Plot No. 164-165 (Site No. 164), Sector-5, IMT Manesar,
Filing Date	:NA	Gurgaon-122050, Haryana, India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)JAKHMOLA, Vivek Kumar
Filing Date	:NA	2)SINGH, Shailendra Kumar
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a twin rod gear shift assembly (200) for manual transmission comprises a housing (202) having a distal end (D) and a proximal end (P), at least one shift lever (204) mounted at the distal end (D) of the housing (202), at least one detent lever (206) mounted at the proximal end (P) of the housing (202), at least two connecting rods (208,208), a plurality of arm lever guide (210) configured to connect at least two connecting rods (208,208) with at least one shift lever (204) and at least one detent lever (206). Further, at least two connecting rods (208,208) are connected in parallel and configured to transfer a shift load from at least one shift lever (204) to at least one detent lever (206).

No. of Pages : 34 No. of Claims : 10

## (19) INDIA

(22) Date of filing of Application :07/10/2014

(43) Publication Date : 21/11/2014

(54) The of the invention. ORAVITTIOWERT	LANI	
(51) International classification	:F03B17/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDER DAN RATNU
(32) Priority Date	:NA	Address of Applicant :C-7, VAISHALI NAGAR, JAIPUR
(33) Name of priority country	:NA	302021 Rajasthan India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)INDER DAN RATNU
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (54) Title of the invention : GRAVITY POWER PLANT

#### (57) Abstract :

Gravity Power Plant is a train of wagons with modified wheels running on steel railway track. Either all or all but one pairs of the wheels of each wagon are so modified that they work to convert the potential energy of the total weight of the wagon which includes the weight of gears a generator and block/s of stone or steel etc. mounted on it, into mechanical energy directly through a converter and pass on it to the generator through the gears to produce electricity. This electricity in tum can drive a powerful motor which is connected to a pair of circular (unmodified existing type) wheels which in tum drives the wagon. Thus each wagon is self sustained in terms of its energy requirement. Besides, it produces surplus energy a profit of energy which is supplied to a nearby high tension powerline running parallel to the track of the train in order to run the world around. In another set of arrangement a high powered locomotive pulls the train which in tum is supplied the power being produced through one or more than one or all the wagons that the locomotive pulls. Thus the train of wagons running on the track becomes an electricity producing power house. It produces electricity through tapping the gravitational energy of the Earth. It taps gravity by the virtue of its weight. The tapping is brought about due to special modification in the design of the wheels. The wheels have spokes and each spoke has a cylinder pipe arm, a weak spring housed inside it, a piston operating within the cylinder coimected by the piston rod which in tum is connected to a semi-circular steel shoe on the other end. The shape of the shoe is precisely similar to the outer rim of the existing circular railway wheels which keep well fitted into the track while in motion or stationary. While the train runs on the track there is an up/down movement of the piston in every spoke of the wheel which is nothing but manifestation of available mechanical energy. The sideby converter joins this up/down movement of piston by entangling into the bolt to convert into a circular motion to pass it on to the sprocket wheel and then either to the driving wheels or through the gears on to the generator mounted on the wagon to produce power. In order to enhance the power output each wagon is loaded with stone blocks or steel blocks. The train runs in a closed circuit in order to ensure the continuity of the power production within a given area. The capacity of such a plant the Train Power Plant or the Gravity Power Plant can be increased/decreased by increasing/decreasing three factors the number of wagons in the train, the weight of each wagon and the speed of the train.

No. of Pages : 23 No. of Claims : 10

(22) Date of filing of Application :13/08/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : LABELS USING LAMINATE OF METALIZED FILM WITH PAPER AND A PROCESS FOR MANUFACTURE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:D21H19/00, :NA :NA :NA :NA :NA : NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ANUJ BHARGAVA</li> <li>Address of Applicant :A-14, SECTOR 83, NOIDA-II UTTAR</li> <li>PRADESH-201301, INDIA.</li> <li>(72)Name of Inventor :</li> <li>1)ANUJ BHARGAVA</li> </ul>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

This invention provides labels having the- composite structure comprising a top layer of print receptive coating (5) applied to outer surface of polymeric film wherein the polymeric film (10) is selected from polyester and BOPP film 10 and wherein the film has a superfine layer of metallic stratum (20) deposited on its inner surface by high vacuum deposition process; a first adhesive coating (30) applied to the exposed surface of the metallic stratum (20); and a laminate of paper with silicon coated release liner. The process for manufacture of labels mainly comprises preparing a laminate of paper with 15 silicon coated release liner at the first nipping station (125) and then manufacturing labels by laminating the metalized film with the laminate of paper with silicon coated release liner thus obtained at the nipping station (190). A tension differential is maintained between the laminate of paper with silicon coated release liner and the metalized film by respective tension 20 adjustment means to overcome the problem of curling upwards of the labels towards the metalized side. The invention provides labels having glitter, higher tear resistance, higher weather-resistance, higher print quality, higher durability of the metallic shine and higher resistance against moisture/water.

No. of Pages : 26 No. of Claims : 15

## (19) INDIA

(22) Date of filing of Application :13/08/2014

(54) Title of the invention : TECHO PLUG.

#### (43) Publication Date : 21/11/2014

(51) International classification	:H01R13/11	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SANKET GOYAL
(32) Priority Date	:NA	Address of Applicant :32, SADA NAND MARG,
(33) Name of priority country	:NA	RISHIKESH. Uttarakhand India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SANKET GOYAL
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention is designed to replace conventionally used plugs and to replace the dependency on multiplug. Techoplug is a plug which has a tendency that it can be used as a conventional plug or can be used as a portable socket or can be used as a conventinal plug as well as a portable socket simultaneosly, use techoplug like a conventionally used plug and connect it to an appliance and engage techoplug into a live socket, after engagement the appliance to which techoplug is connected gets power supply, now if you wish to gave power supply to another appliance, just engage the plug of your another appliance in the holes provided on cover of techoplug, in this manner it will act as a socket, so techoplug is a socket as well as a plug, with the use of techoplug you can connect two appliances simultaneously in a single socket without the use of multiplug.

No. of Pages : 21 No. of Claims : 5

(22) Date of filing of Application :22/09/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : WETT'-SOAP'-WASH'-DRY'-REFRESH'ING DEVICE (51) International classification :C11D9/10 (71)Name of Applicant : (31) Priority Document No 1)AJAYA KUMAR :NA (32) Priority Date Address of Applicant : V-8, GREEN PARK EXTENSION, :NA (33) Name of priority country NEW DELHI-110016 India :NA (86) International Application No (72)Name of Inventor : :NA Filing Date :NA 1)AJAYA KUMAR (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Need of the modem person, who is often quite tense and short on time, to quickly and hygienically wet, soap, wash and dry hands, face and arms, so too relieve eye-strain that is caused in particular by excessive exposure to computer and TV screens, and rejuvenate self, by means of facing a refreshing breeze, are well met by means of the device of this invention at a single location at washpoint in toilets, because this device demands only minimial anatomical movements of the user person, as the required water (11), soap (12), and air streams (18 to 29) are clustered in, and, during presence of user persons body part, exit from, unified enclosure (38) of said device, while uninterrupted supply of soap fluid is made conveniently available from a central storage tank (17) to multiplicity of like devices that may be installed at various outlying wash-points in a building.

No. of Pages : 20 No. of Claims : 12

(21) Application No.7063/DELNP/2014 A

(22) Date of filing of Application :22/08/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : RANDOM MAT AND COMPACT OF FIBRE REINFORCED COMPOSITE MATERIAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication N</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:2012171142 :01/08/2012 :Japan :PCT/JP2013/070603 :30/07/2013	<ul> <li>(71)Name of Applicant : <ol> <li>TELJIN LIMITED</li> <li>Address of Applicant :6 7 Minamihommachi 1 chome Chuo</li> <li>ku Osaka shi Osaka 5410054 Japan</li> </ol> </li> <li>(72)Name of Inventor : <ol> <li>SONODA Naoaki</li> <li>OOTSUBO Makoto</li> <li>OHKI Takeru</li> </ol> </li> </ul>
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(57) Abstract :

Provided are a compact of a fibre reinforced composite material which is isotropic and exhibits excellent mechanical strength and a random mat used as an intermediary material for the same. This random mat contains reinforced fibres having an average fibre length of 3 100mm and a thermoplastic resin the reinforced fibres satisfying i) iii). i) The weight average fibre width (Ww) of the reinforced fibres satisfies formula (1). 0.03mm<Ww<5.0mm (1) ii) The average fibre width distribution ratio (Ww/Wn) of the reinforced fibres the ratio being defined as the ratio of the weight average fibre width (Ww) to the number average fibre width (Wn) is 1.8 20.0 inclusive. iii) The weight average fibre thickness of the reinforced fibres is less than the weight average fibre width (Ww) thereof.

No. of Pages : 39 No. of Claims : 13

(22) Date of filing of Application :28/11/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METHOD FOR MANUFACTURING COMPACT WITH SUSTAINED ISOTROPY

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	1	<ul> <li>(71)Name of Applicant : <ol> <li>TEIJIN LIMITED</li> <li>Address of Applicant :6 7 Minamihommachi 1 chome Chuo</li> <li>ku Osaka shi Osaka 5410054 Japan</li> <li>(72)Name of Inventor : <ol> <li>TANIGUCHI Michiharu</li> <li>ARAKAWA Motoomi</li> <li>NAGAKURA Yasunori</li> <li>ARAI Tsukasa</li> <li>OBATA Akihiko</li> </ol> </li> </ol></li></ul>
Number Filing Date	:NA :NA	

(57) Abstract :

The present invention provides a method for manufacturing a compact formed of a fiber reinforced composite material including reinforcement fibers and a thermoplastic resin and with which it is possible to obtain a compact with sustained isotropy of fibers to the end thereof even if press molded under conditions in which the charge rate of a prepreg to a die is low. Specifically a prepreg obtained by impregnating reinforcement fibers with thermoplastic resin said prepreg having the shape of a specific random mat is formed under specific conditions.

No. of Pages : 63 No. of Claims : 10

(22) Date of filing of Application :05/05/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : ROLL OVER VALVE FOR MOTORCYCLES OR TWO WHEELED VEHICLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:B62J11/00 :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SANDHAR CENTER FOR INNOVATION &amp;</li> <li>DEVELOPMENT <ul> <li>Address of Applicant :3, HSIIDC INDUSTRIAL AREA,</li> <li>SECTOR-18, GURGAON - 122015. Haryana India</li> <li>(72)Name of Inventor :</li> </ul> </li> </ul>
(87) International Publication No	: NA	1)NAIK D.K.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)GUPTA RAKESH 3)JAIN MAYANK
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Roll over valve for motorcycles or two wheeled vehicles (with gasoline engine and fitted with EVAP emission control system) relates to a type of valve used to serve as a controlled passage for the venting of fuel vapour (hydrocarbon) from the vehicles fuel tank to a vapour recovery system such as carbon canister and to prevent the liquid fuel from entering into the carbon canister and thereby degrading its functioning or operation, in the event of an accidental roll over or when motorcycle gets tilted to an excessively high angle of inclination. The present or referred valve is intended to be used in petrol driven motorcycle or two wheeled vehicle, where carbon canister fitted at a lower level than the fuel tank. It is mounted inside the fuel tank in such a way that the inlet or opening port is at the uppermost location inside the fuel tank.

No. of Pages : 13 No. of Claims : 5

(22) Date of filing of Application :07/10/2014

(43) Publication Date : 21/11/2014

(54) Title of the invention : CONSTRUCTION & STANDARDIZATION OF MOTOR-ABILITY TEST FOR EARLY CHILDHOOD PERIOD

(51) International classification	:B60K28/06	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SYED TARIQ MURTAZA, PHD
(32) Priority Date	:NA	Address of Applicant : ASSISTANT PROFESSOR,
(33) Name of priority country	:NA	DEPARTMENT OF PHYSICAL EDUCATION, ALIGARH
(86) International Application No	:NA	MUSLIM UNIVERSITY, ALIGARH-202002, UTTAR
Filing Date	:NA	PRADESH, INDIA.
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)SYED TARIQ MURTAZA, PHD
Filing Date	:NA	2)DR. FARKHUNDA JABIN
(62) Divisional to Application Number	:NA	3)DR. MOHD. IMRAN
Filing Date	:NA	

## (57) Abstract :

Background: To construct & standardize the Motor-Ability Test for Early Childhood Period so it would be more appropriate for that age group. Objectives: To test the reliability and validity of the Motor-Ability Test for Early Childhood Period and to provide percentile norms for the test. Methods: The whole test was administered in two phases. The first phase was related to construct & standardize the preliminary motor test battery. The second phase of the study was to develop age related norms, comprising 7 test items out of 50, by using the appropriate statistical techniques. Results: Content validity was established by expert judgment. Factor analysis had revealed validity co-efficient ranging fi-om 0.58 to 0.95 with the mean of 0.77. The tests overall internal reliability coefficient of 0.89 (Cronbachs alpha) and 0.96 (Mc Donalds Omega) highlighted the strong inter-item agreement among the items on the instrument. Objectivity of Correlation Co-efficient was reported with the mean score of 0.80 Conclusion: Preliminary testing along-with the IInd stage provided evidence for the reliability and validity of the Motor-Ability Test for the Early Childhood Period which is first of its kind in human history. Future testing of the scale needs to be done with middle & late childhood period and test to be made for the children belonging from different socioeconomic and cultural groups.

No. of Pages : 18 No. of Claims : 3

(21) Application No.742/DELNP/2014 A

## (19) INDIA

(22) Date of filing of Application :31/01/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD FOR MANUFACTURING MOLDED ARTICLE BY LOW PRESSURE MOLDING

<ul> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> </ul>	:PCT/JP2012/070126 :01/08/2012	<ul> <li>(71)Name of Applicant : <ol> <li>TEIJIN LIMITED</li> <li>Address of Applicant :6 7 Minamihommachi 1 chome Chuo</li> <li>ku Osaka shi Osaka 5410054 Japan</li> </ol> </li> <li>(72)Name of Inventor : <ol> <li>NAGAKURA Yasunori</li> <li>ARAKAWA Motoomi</li> <li>TANIGUCHI Michiharu</li> <li>OBATA Akihiko</li> </ol> </li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	l:NA :NA	

(57) Abstract :

This method for manufacturing a molded articles is characterized in preparing a specific random mat including a thermoplastic resin and a carbon fiber bundle having an average fiber length of 5-100 mm, impregnating the random mat with a thermoplastic resin pressing the random mat in a metal mold in a range of 0.1-20 MPa, and then removing the random mat from the metal mold. A large complex molded article can be manufactured because the molding is carried out at low pressure.

No. of Pages : 41 No. of Claims : 13

(22) Date of filing of Application :03/05/2013

### (43) Publication Date : 21/11/2014

## (54) Title of the invention : HIGH SPEED CONTINOUS MOTION POUCH/SACHETS FORMING, FILLING AND SEALING APPARATUS HAVING CO-AXIAL FILLING DISC AND CYLINDERICAL SEALING ASSEMBLY

(51) International classification	:B65B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CHATURVEDI, ASHOK
(32) Priority Date	:NA	Address of Applicant :305, III FLOOR BHANOT CORNER,
(33) Name of priority country	:NA	PAMPOSH ENCLAVE, GK-1, NEW DELHI-110048 India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)CHATURVEDI ASHOK
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A continuous motion apparatus for pouch forming, filling and sealing comprises an unwind assembly, a folder assembly, a filling and sealing arrangement, and a top sealing assembly. The filling and sealing arrangement comprises a filling disc assembly having a filling disc, a slotted disc, and a cylindrical sealing assembly, concentrically coupled to the filling disc assembly. The filling disc has a plurality of openings and the slotted disc is axially coupled to the filling disc, wherein the filling disc assembly rotates about a fixed vertical disc axis. A plurality of sealers is configured to receive and seal at predetermined locations the overlapped folded web length, and synchronized in such a manner that powdered material from the openings advances to hoppers and subsequently to the overlapped folded web length. The top sealing assembly is configured to seal the top opening of the pouches.

No. of Pages : 23 No. of Claims : 21

(22) Date of filing of Application :25/08/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : AN INVENTION, WHICH WILL HAVE PRODUCED MANY TIMES MORE HYDRO ELECTRIC ENERGY PRODUCTION WITH THE ONETIME CONVENTIONAL INPUT ENERGY.

(51) International classification	:F03B13/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)BHED SINGH BHARDWAJ
(32) Priority Date	:NA	Address of Applicant : VILL AOUTA P/O BHANTHAL THE
(33) Name of priority country	:NA	KARSOG DISTT MANDI 175011 Himachal Pradesh India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)BHED SINGH BHARDWAJ
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

That my inventions will be increase many times more hydro electric energy/thermal energy production with the least cost of the entire power projects. And it is possible to with conventional input energy. After that needs of electricity will fulfill to all demands of commercial/domestic usages. Whenever the needs of electricity energy increasing day by day. At present we have nothing to fulfill our demand electricity, and energy sources are depleting day by day and the needs of energy increasing day by day for humanity. Maximum other then production machineries exist upon electricity energy. We can say that electricity energy is the pulsation of life, till to end of the life. Therefore electricity energy is a mother of all energies itself.

No. of Pages : 6 No. of Claims : 6

(21) Application No.2869/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :27/09/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : A NOVEL METHOD OF PREPARTION OF SAFFRON EXTRACT AND COMPOSITION THEREOF

(51) International classification	:A23L, A61K	(71)Name of Applicant : 1)RAJEEV KUMAR ARYA
(31) Priority Document No	:NA	Address of Applicant :RC-366, SHIV PARK, KHORA
(32) Priority Date	:NA	COLONY, INDRAPURAM, GHAZIABAD, Uttar Pradesh India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)RAJEEV KUMAR ARYA
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract :

The present invention relates to the preparation of the liquid extract of saffron which is used in cuisines and which is the most expensive spices by weight in the world. The preparation of the saffron liquid extract solves the many problems which are attached to the existing saffron extract. The process for obtaining an extract of saffron liquid extract consists of submitting the stigmas of the flower of Crocus Sativus which is commonly known as Saffron Crocus to the following operative phases. First of all the entire saffron organic are mixed with double the triple distilled water in the proportionate ratio of 1 :2 and stored for 24 hours at 10 degree centigrade. Then Propylene Glycol is mixed with the mixture in the proportionate ratio of 2:1 and resultant mixture is stored for 48 hours at 40 degree centigrade. After that again Propylene Glycol in the proportionate ratio of 8:1 is mixed with the earlier mixture and resultant mixture is stored for 24 hours at 20 degree centigrade. And finally mixture is filtered by vacuum pump and thereafter the liquid extract of saffron organic with a high colorant power and the characteristics of aroma of saffron which is totally soluble in water and also easy to dose.

No. of Pages : 7 No. of Claims : 8

(22) Date of filing of Application :19/03/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : SERIAL PERIPHERAL ENCRYPTION ALGORITHM FOR KEYBOARD AND THERMAL PRINTER (SPEAK)

(51) International classification	:G06F15/177	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DR. S. ZEESHAN HUSSAIN
(32) Priority Date	:NA	Address of Applicant :DEPT. OF COMPUTER SCIENCE,
(33) Name of priority country	:NA	JAMIA MILLIA ISLAMIA, NEW DELHI-110025. India
(86) International Application No	:NA	2)DR. S.A.M RIZVI
Filing Date	:NA	3)NEETA WADHWA
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)DR. S. ZEESHAN HUSSAIN
Filing Date	:NA	2)DR. S.A.M RIZVI
(62) Divisional to Application Number	:NA	3)NEETA WADHWA
Filing Date	:NA	

(57) Abstract :

The present invention is related to the security of the information travelled over computer and its peripherals. This Invention uses a new method and system for the encryption and decryption of the information preferably for keyboard and printer hereof. The invention is related to provide security for the sensitive information entered through input device like keyboard and retrieved from the output device like printer hereof.

No. of Pages : 7 No. of Claims : 7

(22) Date of filing of Application :01/08/2014

### (43) Publication Date : 21/11/2014

### (54) Title of the invention : A FACILE PROCESS FOR NANOFORMULATION PRODUCTION OF NEEM SEED EXTRACT FORTIFIED WITH SILVER NANOPARTICLES

		(71)Name of Applicant :
		1)DR. BRAJ RAJ SINGH
(51) International classification	:A61K36/58	Address of Applicant : CENTRE OF EXCELLENCE
(31) Priority Document No	:NA	MATERIALS SCIENCE (NANOMATERIALS),
(32) Priority Date	:NA	DEPARTMENT OF APPLIED PHYSICS, ZHCE &T, ALIGARH
(33) Name of priority country	:NA	MUSLIM UNIVERSITY ALIGARH 202002, Uttar Pradesh
(86) International Application No	:NA	India
Filing Date	:NA	2)DR. WASI KHAN
(87) International Publication No	: NA	3)P. Q. RIZVI
(61) Patent of Addition to Application Number	:NA	4)ALIM H. NAQVI
Filing Date	:NA	(72)Name of Inventor :
(62) Divisional to Application Number	:NA	1)DR. BRAJ RAJ SINGH
Filing Date	:NA	2)DR. WASI KHAN
		3)P. Q. RIZVI
		4)ALIM H. NAQVI

(57) Abstract :

In this invention we have developed a feasible process for nanoformulation production of neem seed aqueous extract, fortified with AgNPs. The redox active biological macromolecules and other metabolites which are present in the neem seed aqueous extract play an important role in the in-situ reduction/stabilization of silver nitrate salt into the AgNPs. This invention offers a rapid, facile, inexpensive, and potentially significant process to produce biocompatible nanoformulation of neem seed extract, fortified with AgNPs for agriculture, cosmetics, food and pharmaceutical industries.

No. of Pages : 11 No. of Claims : 6

(22) Date of filing of Application :01/10/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : SCHEDULER BASED MISSING ITEM RFID TRACKER

(51) International classification	:G06K7/01	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DAVAR NEEL J.
(32) Priority Date	:NA	Address of Applicant :50, SULTANPUR FARMS, PRAKRITI
(33) Name of priority country	:NA	MARG MG ROAD, NEW DELHI - 110030 India
(86) International Application No	:NA	2)DESAI PARTH C.
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)DAVAR NEEL J.
(61) Patent of Addition to Application Number	:NA	2)DESAI PARTH C.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A RFID based item tracking system integrated with a scheduling system(Event as well as Time based) intended to alert the person about missing items which are predefined in the scheduler. RFID tags are attached to all the items to be tracked and a schedule is defined by the person about which items are required to be carried at what time. Before the person leaves the given premises the person is scanned by the RFID reader and antenna system to track all the tagged items carried by him. The system also checks the schedule as per the real time to find out missing or undesired items.

No. of Pages : 14 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :31/03/2014

#### (43) Publication Date : 21/11/2014

(54) Title of the invention : IN TUNNEL	DISPLAY SYSTEM	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:G09G3/32 :NA :01/01/1990 :Not Applicable :PCT/CN2011/079391 :06/09/2011 :WO 2013/033892 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BEIJING JINRI HENGSHENG SCIENCE &amp;</li> <li>TECHNOLOGY CO. LTD Address of Applicant :No.26 Jinyuan Road Daxing Industrial Development District Beijing 102600 China (72)Name of Inventor : 1)LV Min 2)QI Wanli</li></ul>

### (57) Abstract :

Provided is a tunnel synchronization display system including an interaction module a communication module a display module and a synchronization module. The interaction module is used for storing video data or image data; the communication module is connected to the interaction module to transmit the video data or image data to the display module; the synchronization module is respectively connected to the communication module and the display module used for controlling synchronization between the display data of the display module and the running speed of a train in the tunnel; and the display module is provided in the running tunnel of trains used for displaying data from the interaction module according to a synchronization signal sent by the synchronization module.

No. of Pages : 21 No. of Claims : 10

### (19) INDIA

(22) Date of filing of Application :26/09/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : AUTOMATIC HEADLIGHT INDICATOR IN VEHICLE INFORMATION DISPLAY INSTRUMENT

#### (57) Abstract :

The present subject matter relates to an automatic headlight ON indicator in a vehicle information display instrument of vehicle that includes a battery powered high beam switch which when switched on actuate a headlight positioned at the front of the vehicle and parallelly a light emitting diode provided as a beam indicator in the vehicle information display instrument. The vehicle is provided with a photodiode positioned on the vehicle information display instrument to sense the daylight. The vehicle information display instrument is also provided with a microcontroller with an electric circuit structure to receive the signals generated from the circuit attached to the photodiode. Further, the electric circuit structure is also equipped with plurality of transistors provided subsequent to the ports of microcontroller to act as switch for respectively actuating visual or audible indicator indicating the status of the headlight of the vehicle. The structure is uniquely provided with a smart switch provided on the vehicle information display instrument to manually switch OFF the warning indicator by pressing the smart switch for few seconds.

No. of Pages : 20 No. of Claims : 10

(21) Application No.6724/DELNP/2014 A

(22) Date of filing of Application :11/08/2014

(43) Publication Date : 21/11/2014

### (54) Title of the invention : RANDOM MAT AND COMPACT OF FIBRE REINFORCED COMPOSITE MATERIAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication N</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:2012169936 :31/07/2012 :Japan :PCT/JP2013/070604 :30/07/2013	<ul> <li>(71)Name of Applicant : <ul> <li>1)TEIJIN LIMITED</li> <li>Address of Applicant :6 7 Minamihommachi 1 chome Chuo</li> <li>ku Osaka shi Osaka 5410054 Japan</li> <li>(72)Name of Inventor : <ul> <li>1)SONODA Naoaki</li> <li>2)OOTSUBO Makoto</li> <li>3)OHKI Takeru</li> </ul> </li> </ul></li></ul>
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(57) Abstract :

Provided are a fiber-reinforced composite material shaped product which is isotropic and has excellent mechanical strength and a random mat for use as an intermediate material for the shaped composite material. The random mat includes reinforcing fibers having an average fiber length of 3 to 100 mm and a thermoplastic resin, wherein the reinforcing fibers satisfy the following i) to iii). i) The reinforcing fibers have a weight-average fiber width (Ww) which satisfies the following equation (1). Omm<Ww<2.8mm (1) ii) The reinforcing fibers have an average-fiber-width dispersion ratio (WwIWn), which is defined as a ratio of the weight-average fiber width (Ww) to a number-average fiber width (Wn), of 1.00 or more and 2.00 or less. iii) The reinforcing fibers have a weight-average fiber thickness which is smaller than the weight-average fiber width (Ww) thereof.

No. of Pages : 40 No. of Claims : 11

(22) Date of filing of Application :25/03/2014

(43) Publication Date : 21/11/2014

(54) Title of the invention : METHOD FOR SETTING A GEAR RATIO OF A FAN DRIVE GEAR SYSTEM OF A GAS TURBINE ENGINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:23/09/2013 :WO 2014/120286 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)UNITED TECHNOLOGIES CORPORATION Address of Applicant :One Financial Plaza Hartford Connecticut 06101 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)SHERIDAN William G.</li> <li>2)HASEL Karl L.</li> </ul>
(61) Patent of Addition to Application		2) HASEL Karl L.
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A gas turbine engine according to an exemplary aspect of the present disclosure includes among other things a fan section including a fan rotatable about an axis and a speed reduction device in communication with the fan. The speed reduction device includes a star drive gear system with a star gear ratio of at least 1.5. A fan blade tip speed of the fan is less than 1400 fps.

No. of Pages : 15 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :29/08/2014

(43) Publication Date : 21/11/2014

### (54) Title of the invention : ANIMAL MAZE FOR MEASUREMENT OF ANXIETY

(51) International classification	·A01K15/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)NEERAJ GILHOTRA
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF
(33) Name of priority country	:NA	PHARMACEUTCAL SCIENCES, MAHARSHI DAYANAD
(86) International Application No	:NA	UNIVERSITY, ROHTAK, 124001 Haryana India
Filing Date	:NA	2)RITU GILHOTRA
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)NEERAJ GILHOTRA
Filing Date	:NA	2)RITU GILHOTRA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The Rodent Tail Maze is a novel maze to assess anxiety behaviour in mice. The Rodent Tail Maze comprise of a black closed drum shaped chamber of 45 cm height and 30 cm diameter. Maze is connected to a staircase through an opening of 10 cm x 10 cm. The staircase consists of each stair of 20 cm length and 20 cm width and 0.5 cm height. Total number of stairs are 60 in number. The fabrication material of drum may be wooden or any other temperature buffering material that may be helpful to resist change in temperature of the surface of the maze platform. On the other hand, fabrication material of staircase is preferable Plexiglass for clearer visibility of ground from stair(s).

No. of Pages : 10 No. of Claims : 6

## (19) INDIA

(22) Date of filing of Application :27/08/2014

## (54) Title of the invention : ADAPTIVE DESIGN OF SKIN AS TOUCH SCREEN

(51) International classification:G09G5(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NA	<ul> <li>(71)Name of Applicant :</li> <li>1)RAHUL KUMAR</li> <li>Address of Applicant :A-5, ASHOKA APARTMENT,</li> <li>SECTOR-12, DWARKA, NEW DELHI-110078. India</li> <li>2)RICHA KARNANI</li> <li>3)DR. K. K. SAINI</li> <li>4)SANJU SAINI</li> <li>(72)Name of Inventor :</li> <li>1)RAHUL KUMAR</li> <li>2)RICHA KARNANI</li> <li>3)DR. K.K. SAINI</li> <li>4)SANJU SAINI</li> <li>4)SANJU SAINI</li> </ul>
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(57) Abstract :

The use of touch screens on mobiles, tablets, laptops etc are now becoming old in this modern era. The need of advanced technique is required which attracts the users towards it to adapt that new technique. So, here in this research, the work has been done on the sensitivity of human skin in such a manner that it can be used as a touch screen. Here human skin will be used as a touch screen as in mobiles, laptops, tablets and all other electronic gadgets. If user find them getting annoyed at the tiny touch screens on todays mobile devices, they might be interested in a new yet overlooked input surface. A new skin-based interface called Skinput allows users to use their own hands and arms as touch screens by detecting the various ultralow-frequency sounds produced when tapping different parts of the skin. Latest tools available are used in this project to simulate the results.

No. of Pages : 8 No. of Claims : 1

(19) INDIA

(22) Date of filing of Application :01/09/2014

(43) Publication Date : 21/11/2014

(54) Title of the invention : FREE ENERGY CELL		
<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:H02J7/00 :NA	(71)Name of Applicant : 1)AMIT SINDHU
(32) Priority Date	:NA	Address of Applicant :#107-A, NEW POLICE COLONY,
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:NA :NA	SECTOR 26, CHANDIGARH. Chattisgarh India (72) <b>Name of Inventor :</b>
Filing Date (87) International Publication No	:NA : NA	1)AMIT SINDHU
(61) Patent of Addition to Application Number	:NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

(57) Abstract :

Every Humanized body is fed up of paying monthly bills to electricity department. Whereas, the battery of electronic devices are also running out with time. What then, if a single device will sort out all of above mentioned problems for free

No. of Pages : 3 No. of Claims : 2

### (19) INDIA

(22) Date of filing of Application :18/09/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : ANATOMICAL OCULAR - ORBITAL STOCK TRAY

(51) International classification	:A61F2/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ANUPAM PURWAR
(32) Priority Date	:NA	Address of Applicant : C/O MR. SUDARSHAN KHANNA
(33) Name of priority country	:NA	MIG-34, BDA-COLONY TIBRINATH MANDIR, NAINITAL
(86) International Application No	:NA	ROAD, BAREILLY (UP): 243005, INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)ANUPAM PURWAR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract :

Introduction: Available maxillofacial impression techniques are time consuming to both operator and patient. Invention of individual prefabricated maxillofacial stock tray is a step to simplify and standardize the impression making procedure for preoperative evaluation for reconstructive procedures and fabrication of ocular and orbital prosthesis. The purpose of this tray to reduce the steps of making impression which are cumbersome and time consuming for both patient and clinician. Method: Patient was selected on the basis of their surface area of orbital region and impression was made with the help of conventional method and master cast was obtained. Subsequent adaptation of wax and fabrications of anatomical ocular-orbital stock tray was achieved. Result: anatomical ocular-orbital stock tray is designed and developed for preoperative evaluation and making impression of ocular and orbital region for fabrication of ocular-orbital prosthesis. Conclusion: This innovative anatomical ocular-orbital stock tray helpful in making an impression of ocular-orbital defects which is simple, efficient, less time consuming and it eliminates some of the shortcomings of other techniques.

No. of Pages : 12 No. of Claims : 9

### (19) INDIA

(22) Date of filing of Application :30/09/2014

#### (43) Publication Date : 21/11/2014

### (54) Title of the invention : DESIGN OF LOW COST ASES- AN AUTOMATION SYSTEM FOR ELECTRICITY SAVING

		(71)Name of Applicant :
(51) International classification	:H02M7/5383	1)VISHAL BHARTI
(31) Priority Document No	:NA	Address of Applicant :VPO GABLI, DARI, DHARAMSALA,
(32) Priority Date	:NA	DISTT. KANGRA 176057, HIMACHAL PRADESH INDIA
(33) Name of priority country	:NA	2)AMANDEEP SINGH
(86) International Application No	:NA	3)ABHISHEK, ASIF LKBALL
Filing Date	:NA	4)TANUPRIYA CHOUDHURY
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)VISHAL BHARTI
Filing Date	:NA	2)AMANDEEP SINGH
(62) Divisional to Application Number	:NA	3)ABHISHEK
Filing Date	:NA	4)ASIF LKBALL
		5)TANUPRIYA CHOUDHURY

(57) Abstract :

Low Cost ASES- An Automation System for Electricity Saving is an automation system which can control any electronic equipment without even touching the switches. A user can control the equipment remotely. It is not necessary that the user has to be present over there, the user can control it from any part of the world. This system is efficient in managing the electricity usage as one can always know what is on and what is off. A user can always put the imwanted equipment off to save electricity. This system allows the user to control all the electronic gadgets remotely.

No. of Pages : 14 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :08/08/2014

(43) Publication Date : 21/11/2014

(54) Title of the invention : WATER WHEEL POWERED WATER PUMP		
(51) International classification	:F04D13/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)LAL BAHADUR YADAV
(32) Priority Date	:NA	Address of Applicant :VILL+PO-AMGHAT, DISTT-
(33) Name of priority country	:NA	BALLIA, PIN-277203. Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)LAL BAHADUR YADAV
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A water lift system is devised which lifts water up to the required geodetic height in the required quantity by progressive cavity or other type of water pump connected by timing pulley-belt or other type of power transmission system to middleshot high torque and rotation water wheel operated by inclined penstock made in very low head dam constructed across shallow river or tributary to develop multi-purpose clean basic infrastructures like domestic water supply, irrigation, fishery, swimming pool, waterpark, decentralized water purification, hydrogen production and others with modern watershed development in the terraced-hilly and mountainous regions.

No. of Pages : 14 No. of Claims : 9

(22) Date of filing of Application :07/10/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : DEVELOPMENT OF CRICKET-SPECIFIC FIELDING TEST AND ITS PROTOCOL FOR CRICKETERS

#### (57) Abstract :

Background: To construct & standardize the Cricket-Specific Fielding Test for above 19 year of age players so it would be appropriate for that age group. Objectives: To test the reliability and validity of the Cricket-Specific Fielding Test and to provide percentile norms for the test. Methods: The whole test was administered in two phases. The first phase was related to construct & standardize the Cricket-Specific Fielding Test battery. The second phase of the study was to develop age related norms by using the appropriate statistical techniques. Results: Content validity was established by expert judgment. Validity co-efficient was recorded as 0.90. The tests overall reliability coefficient had been 0.79 with the inter-rater reliability score of 0.86 highlighted the strong reliability of the invention. Objectivity of Correlation Co-efficient was reported with the mean score of 0.80 Conclusion: The test procedure along-with the development of the percentile ranking norms for the test provided evidence for the reliability and validity of the Cricket-Specific Fielding Test for the above 19-years age players which is first of its kind in cricket history. Future testing of the scale needs to be done with other age groups in which the competitions are held & regulated by the national & international bodies

No. of Pages : 13 No. of Claims : 6

(22) Date of filing of Application :01/07/2014

(43) Publication Date : 21/11/2014

(54) Title of the invention : A ELECTRIC GENERATOR WHICH RUNS WITHOUT SOLAR, DIESEL, GAS, WIND, THERMAL, NUCLEAR ETC.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H02K7/18 :NA :NA :NA :NA :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)PRAMOD KAJLA Address of Applicant :67, BAGAT PANNA, NANGLI SAKRAWATI, NAJAFGARH, NEW DELHI-110043 India</li> <li>(72)Name of Inventor :</li> <li>1)PRAMOD KAJLA</li> </ul>
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(57) Abstract :

Electric Generator which would run without gas, diesel, solar, wind, thermal or nuclear power and produce pollution free energy/electricity/power without any cost on fuel/ expenses with minimal risk, less space, less costing and is independent of weather. Improvements will be made in the Electric Generator along with the new technology from time to time.

No. of Pages : 6 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :19/09/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : BELL MAZE FOR MEASUREMENT OF ANXIETY.

	A (2D0/00	
(51) International classification	:A63B9/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)NEERAJ GILHOTRA
(32) Priority Date	:NA	Address of Applicant : DEPARTMENT OF
(33) Name of priority country	:NA	PHARMACEUTICAL SCIENCES, MAHARSHI DAYANAND
(86) International Application No	:NA	UNIVERSITY, ROHTAK-124001. Haryana India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)RITU GILHOTRA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Bell Maze is an animal maze that may be utilized to measure anxiety- like behaviour of mice. A Bell Maze is an animal maze comprising a black drum or chamber. The drum is blackened from inside with smoothened floor and walls and is provided with a lid on the top. The drum bears dimensions of 45 cm height and 100 cm diameter with four openings (15 cm x 15 cm) on four opposite sides. Each opening is extended to form a white platform (15 cm x 15 cm) with 6 mm lip on corners of each platform. The said maze is elevated 30 cm from the ground level. The fabrication material of maze may be wooden or any other temperature buffering material that may be helpful to resist change in temperature of the surface of the maze platform.

No. of Pages : 8 No. of Claims : 5

 $(10) \mathbf{E} \leftarrow \mathbf{C} \mathbf{C}^{11} \quad \mathbf{C} \mathbf{A} = \mathbf{1}$ 

(22) Date of filing of Application :21/04/2014

(43) Publication Date : 21/11/2014

(54) Title of the invention : METHOD FOR SYNTHESIS OF SILVER NANOCLUSTERS USING RED ONION PEEL AQUEOUS EXTRACT.

		(71)Name of Applicant :
		1)DR. BRAJ RAJ SINGH
(51) International classification	:A61K31/28	Address of Applicant : CENTRE OF EXCELLENCE
(31) Priority Document No	:NA	MATERIALS SCIENCE (NANOMATERIALS),
(32) Priority Date	:NA	DEPARTMENT OF APPLIED PHYSICS, ZHCE&T, ALIGARH
(33) Name of priority country	:NA	MUSLIM UNIVERSITY, ALIGARH-202 002, INDIA. Uttar
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	2)DR. WASI KHAN
(87) International Publication No	: NA	3)DR. SHAKEEL KHAN
(61) Patent of Addition to Application Number	:NA	4)DR. ALIM H. NAQVI
Filing Date	:NA	(72)Name of Inventor :
(62) Divisional to Application Number	:NA	1)DR. BRAJ RAJ SINGH
Filing Date	:NA	2)DR. WASI KHAN
		3)DR. SHAKEEL KHAN
		4)DR. ALIM H. NAQVI

(57) Abstract :

In this invention silver nanoclusters (SNCs) were synthesized by reducing silver nitrate with red onion peel aqueous extract at 90 °C temperature. The optical, structural, morphological and thermal properties of SNCs were investigated. The synthesized SNCs have high stability.

No. of Pages : 10 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :07/10/2014

(54) Title of the invention · CP AVITY VEHICLE

(43) Publication Date : 21/11/2014

(54) Title of the invention : GRAVITY VEHICLE		
<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:F03B17/02 :NA	(71)Name of Applicant : 1)INDER DAN RATNU
(32) Priority Date	:NA	Address of Applicant :C-7, VAISHALI NAGAR JAIPUR
(33) Name of priority country	:NA	302021 Rajasthan India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)INDER DAN RATNU
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A vehicle having two, three, four or any other number of wheels in its structure- wheels that have undergone special modification in its design, can produce the energy of its requirement from the gravity of the Earth. This vehicle has at least one or one pair of spoked wheels instead of having circular traditional Aind, but does use the circular wheel to serve the purpose of driving. Each spoke of the modified wheel in turn has a spring, a piston-system and a semi-circular shoe at the outer end of it. This special design of the wheel combined with the capacity of a converter installed on its side bar enables the vehicle to draw upon the gravity and to convert the energy of its weight the potential energy into direct mechanical energy which can be used to drive its wheels and also to charge its battery or mother spring -the store house of energy which remain mounted on the, vehicle. The other systems of the vehicle for example clutch gears, brakes, accelerater etc. remain similar to what is used in the existing vehicles driven by petroleum products and electricity. The vehicle can be given any shape like jeep, car, truck or bus etc in its body design. But it is an essentially a gravity driven vehicle. The invention in the vehicle is in respect to the energization of the vehicle through the above modification of the wheel and not in respect to any other aspect of its body structure. It operates on the principle of making profit of energy through tapping the reaction of the force of the weight of the vehicle. Thus such a vehicle works as power producing machine as well as the transport vehicle. From energy requirement view point it is a self- sustained vehicle. This vehicle also has a battery (and motor) system or a mother spring system like in toys for the storage of energy for giving the initial push or intermittent pushes to enhance the speed of the vehicle from time to time.But the prime source of energy to drive the vehicle is the gravity of the Earth and hence the name Gravity Vehicle has been given to it.

No. of Pages : 21 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :28/08/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DOUBLE STROKE CUTTING MECHANISM (51) International classification :B26D5/20 (71)Name of Applicant : (31) Priority Document No 1)MUFAZZAL, SAMEERA :NA (32) Priority Date Address of Applicant : DEPARTMENT OF MECHANICAL :NA (33) Name of priority country ENGG. JAMIA MILLIA ISLAMIA, (NEW DELHI) Delhi India :NA 2)SIDDIQUEE, ARSHAD NOOR (86) International Application No :NA 3)KHAN, ZAHID A Filing Date :NA (87) International Publication No (72)Name of Inventor : : NA (61) Patent of Addition to Application Number :NA 1)MUFAZZAL SAMEERA Filing Date :NA 2)SIDDIOUEE ARSHAD NOOR (62) Divisional to Application Number :NA **3)KHAN ZAHID A** Filing Date :NA

(57) Abstract :

This invention presents the design of a novel machine-head in which the tool or the work is reciprocated for cutting in straight lines. The presented design of the head permits the machining in forward and return stroke both. The design is characterized by a single slider-crank mechanism, which converts the input rotary power in to the reciprocating motion of machine-head; prompts the worktable feed mechanism, similar to that used in a standard horizontal surface grinding. It utilizes a small part of the stroke for transverse feed of table past the machine-head carrying tool and; a designed arrangement of machine-head component to perform the following functions: (i) provide a facility that carries two cutting tool holders, back to back, (ii) allow vertical sliding as well as swiveling motion of the machine-head and to the cutting tools clamped in it, (iii) and lift up the tool during idle part of the stroke. The rest parts being the same as in conventional machines.

No. of Pages : 16 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :30/07/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : VEGETABLES, FRUITS AND CROPS AYURVEDIC KEET NASHAK NAVEEN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)KRISHNA GOPAL DWIVEDI Address of Applicant :VILL-ITHURA HAZAM, POST-LAR ROAD, DISTTDEORIA, UTTAR PRADESH-274505. India</li> <li>2)HARI LAL PRAJAPATI</li> <li>3)GAURI SHANKAR UPADHYAY</li> <li>(72)Name of Inventor :</li> </ul>
<ul> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA :NA	<ul> <li>(72)Name of Inventor 1</li> <li>1)KRISHNA GOPAL DWIVEDI</li> <li>2)HARI LAL PRAJAPATI</li> <li>3)GAURI SHANKAR UPADHYAY</li> </ul>

(57) Abstract :

This invented product is in liquid form and the method of its preparation is very easy. This product wipes out the harmful Bacteria, Virus, Insects, Moths and Fungi found on leafy vegetables, vegetables, fruit bearing trees and grains and mustard crops and increases production capacity. If this product is used on (or in) plants and trees before flowering then future crops are safe from Bacteria, Virus, Insects, Moths and Fungi. There is no harm in using this product and the produce is increased. This product is in itself new, unique, effective and profitable. The production of food, vegetables, fruits, grains and oilseeds can be safely increased with the use of this product.

No. of Pages : 6 No. of Claims : 1

#### (19) INDIA

(22) Date of filing of Application :03/09/2014

#### (43) Publication Date : 21/11/2014

60K1/04	(71)Name of Applicant :
Α	1)SULUJA HIMANSHU
Α	Address of Applicant :B-44, NEHRU VIHAR, DELHI-110054
A	India
A	(72)Name of Inventor :
Α	1)JAIN ABHINAV
NA	2)SALUJA HIMANSHU
А	3)JAIN MAYANK
Α	4)SINGH VIKRAM PRATAP
A	5)VIPUL
A	
	A A A A JA A A A A

#### (54) Title of the invention : SOLAR TRIKE.

(57) Abstract :

Solar panels convert the suns energy directly into electric energy. This invention will slowly reduce the use of pedal and motor rickshaw hence promoting the green and pollution free cities. This trike is not driven by energy sources like petrol and diesel hence it is contributing to the nation, use of renewable source of energy. This trike can be run on crowded as well as open areas. It can cover approx. 70 km without charging. Hence its will soon replace all CNG and BATTERY operated rickshaw in DELHI and other cities. It will be of course first time that solar driven vehicle will be seen on Indian roads. All the analysis part has been done firstly by the software ANSYS and then by making a prototype for analysing its body and centre of masses.Fig 1 shows the isometric view of the TRIKE. It is made in the software called CATIA V5R17. The strength and bending stress has also been analysed on the same. Energy saved by solar panel throughout the day in every month has also been calculated and it is found that the energy restored from solar panels to battery in the whole day is comparable to the energy stored in the battery after complete charging of battery by external device.

No. of Pages : 10 No. of Claims : 10

(22) Date of filing of Application :07/10/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : MODULAR INTERFACE FOR A ROBOTIC SYSTEM

(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(61) Patent of Addition to Application Number:NAFiling Date:NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SUDHIR PREM SRIVASTAVA Address of Applicant :4805, BRAIRWOOD AVE, APT-201, MIDLAND, TEXAS-79707, U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)SUDHIR PREM SRIVASTAVA</li> <li>2)HARDIK SHARMA</li> <li>3)PERUMALSAMY SUGUMAR</li> </ul>
(62) Divisional to Application Number : Filed on :01/01/190	00

(57) Abstract :

The disclosure is directed to a medical robotic system and method for releasably securing a medical instrument over a modular support assembly that is further removably coupled to the manipulating arm via an intermediate fastening component. The medical instrument is configured for delivery through a small percutaneous penetration in a patient as it slides over the modular support assembly, independent of the manipulating arm. The robotic system further includes a simplified draping mechanism including covering the manipulating arm up to the fastening component thereby obviating the need for extensive sterile drape that extends all over the arm up to the support interface and the cannula holding assembly in existing art. Advantageously, the present invention allows for a quick and simple installation while allowing for fiee rotary motion of the support assembly.

No. of Pages : 21 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :22/09/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SEA SPIDER (OCTAPODE WAVE ENERGY GENERATION SYSTEM)

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:F03B13/14 :NA :NA :NA	(71) <b>Name of Applicant :</b> <b>1)NARAYAN BHARDWAJ</b> Address of Applicant :S/N-115, WEST END MALL, DISTRICT CENTRE, JANAK PURI WEST, NEW DELHI-
(86) International Application No Filing Date	:NA :NA	110058 India 2)BALRAM BHARADWAJ
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	<ul><li>(72)Name of Inventor :</li><li>1)NARAYAN BHARDWAJ</li><li>2)BALRAM BHARADWAJ</li></ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Wave energy generation is an emerging non conventional energy resource which seems to promise large amount of electricity which could save millions tons of fossil fuel which otherwise would be burned to produce electricity as modem life is impossible without electricity and day by day the requirement of electricity is keep on increasing. The SEA SPIDER designed and developed by us could be the most efficient way to harness and convert wave energy as well as wind energy present in oceans in abundance with efficiently. The system contains eight or more motion arms attached through a central base pole through a joint which allow the arm to move vertically and the floater attached to the other end of motion arm which provide liner momentum due to buoyancy and wave displacement. The vertical motion changed into reciprocating motion through belt shaped rack which joint the adjustment arm and provide motion to the pinion of electric generator. The central base pole is also act as a torque generator as and provide reciprocal motion. The central pillar which remains the base of the sea spider also contain a wind turbine on its top to produce electricity from the wind flow and the central pole which have height advantage is used for surveillance and security purposes by installing a watch tower at any suitable height of central pole. In one line we can define the sea spider that it is a single lined answer of plethora of questions related to ocean energy and ocean security.

No. of Pages : 17 No. of Claims : 6

(22) Date of filing of Application :21/05/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD FOR PREPARING POLYESTER/POLYOLEFIN COMPOSITE HOT MELT GLUE USED FOR SOLAR CELL BUS BOARD

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C09J123/06,C09J167/02,C09J151/06 :201210489466.3 :27/11/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)SHANGHAI TIANYANG HOT MELT ADHESIVE CO.</li> <li>LTD.</li> <li>Address of Applicant :505 Huiping Road Jiading District</li> </ul>
(33) Name of priority country	:China	Shanghai 201802 China 2)EAST CHINA UNIVERSITY OF SCIENCE AND
(86) International Application No Filing Date	:PCT/CN2013/085891 :24/10/2013	TECHNOLOGY 3)KUNSHAN TIANYANG HOT MELT ADHESIVE CO. LTD.
(87) International Publication No	:WO 2014/063646	(72)Name of Inventor : 1)XUE Weilan
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)ZHAO Ping 3)LI Zhelong 4)ZHU Wanyu
(62) Divisional to Application Number Filing Date	:NA :NA	5)ZENG Zuoxiang 6)GAO Xu 7)LIU Juan

(57) Abstract :

Disclosed is a method for preparing polyester/polyolefin composite hot melt glue used for a solar cell bus board comprising the following steps: first performing esterification polycondensation and synthesis on 2 6 naphthalic acid ethylene glycol and a titanium catalyst in a certain ratio so as to obtain polyester PNT with a weight average molecular weight of 15000 to 20000 and then performing melt blending on the polyester PNT and low density polyethylene under the effect of a bulking agent to obtain the target product hot melt glue. A film prepared by the hot melt glue has high luminousness and a good mechanical performance heat resistance performance and anti yellowing performance and is particularly applicable to a solar cell bus board.

No. of Pages : 11 No. of Claims : 2

(22) Date of filing of Application :29/10/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : A LIGHTER-THAN-AIR GAS FILLED VEHICLE POWERED BY AN OVERHEAD ELECTRIC TRACTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	B66F11/00 :NA :NA :NA :NA	Address of Applicant :Kharepatan (Rameshwarnagar) Post, Kankavali Taluka, Sindhudurg District, Maharashtra-416703, India. (72) <b>Name of Inventor :</b>
<ul> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:NA : NA :NA :NA :NA :NA	1)KAMALAKAR BHUJAPPA UNHALKAR

#### (57) Abstract :

Exemplary embodiments of the present disclosure are directed towards a lighter-than-air gas filled vehicle comprising an elongated hollow body that is lifted by at least one of a lighter-than-air gas and a plurality of wings and thrusted forward between a upper track and at least one of a lower track, by an engine powered by an overhead electric traction, wherein the upper track is positioned above the elongated hollow body and the lower track is positioned below the elongated hollow body. The vehicle further comprises of at least one of an inflatable bag positioned within the elongated hollow body for filling the lighter-than-air gas; a cabin space positioned within the elongated hollow body; an upper wheel body connected to the dorsal side of the elongated hollow body and is configured to move along the upper track; at least one of a lower wheel body connected to the ventral side of the elongated hollow body and configured to move along the lower track; and a roller connected to the ventral side of the elongated hollow body by means of a shaft that is configured to serve as a return conductor.

No. of Pages : 16 No. of Claims : 7

(21) Application No.2622/MUM/2014 A

(19) INDIA

(22) Date of filing of Application :14/08/2014

(43) Publication Date : 21/11/2014

Applicant :
NING DEKANG BIOTECHNOLOGY CO. LTD
of Applicant :No. 28, Caochangba, Tianyuan,
Baoshan City, Yunnan Province, P.R. CHINA.
'Inventor :
, Junxiang
, Zhixuan
E

#### (54) Title of the invention : HOOKAH AND PREPARATION METHOD THEREOF

(57) Abstract :

The present invention relates to the field of hookah processed products, particularly to a hookah and a preparation method thereof. The preparation method of hookah comprising the following steps: (A) Putting fresh and dry plant materials with mass portion of 70-100 as well as food additives with mass portion of 1-20 successively into a food-grade sealing tank, the fresh and dry plant materials are one or more of vegetables, fruits, and herbs; (B) Adding atomizing liquid with volume portions of 500-600 into the food-grade sealing tank and soaking under conditions of temperature of 40-60oC and vacuum degree of 0.08-0.1MPa for 120-480 minutes; and (C) Discharging liquid in the food-grade sealing tank, the left solid is the hookah. Compared with preparation methods of hookah in the prior art, the preparation method of hookah provided by the present invention is more helpful to absorb the atomizing liquid to ensure no loss of aroma, achieving a state of aroma fusion and being able to be absorbed by electronic smoking set and traditional hookah.

No. of Pages : 14 No. of Claims : 8

(22) Date of filing of Application :09/08/2014

(43) Publication Date : 21/11/2014

(54) Title of the invention : A NOVEL SLM-DEEP CLIPPING BASED PAPR REDUCTION TECHNIQUE IN DCT PRECODED OFDM SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04L29/06, H04K1/10 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)Sardar Vallabhbhai National Institute of Technology Address of Applicant :SVNIT Campus, Ichchhanath, Surat, - 395007 Gujarat India</li> <li>(72)Name of Inventor :</li> <li>1)Shilpi Gupta</li> <li>2)Ketan H Agraval</li> <li>3)Dr. Upena Devang Dalal</li> </ul>
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#### (57) Abstract :

Present invention relates to high speed wireless communication systems. More particularly, present invention relates to OFDM-based wireless Communication systems. Proposed PAPR Reduction technique of instant invention involves, generating OFDM signal; DCT-Precoding; Applying SLM Technique; Applying clip or deep clip; and Measuring PAPR of OFDM signal.

No. of Pages : 16 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :27/03/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : LINEAR ELECTROMAGNETIC OPERATOR (51) International classification :H01F7/08,H02K33/18 (71)Name of Applicant : (31) Priority Document No **1)LARSEN & TOUBRO LIMITED** :NA (32) Priority Date Address of Applicant : LARSEN & TOUBRO LIMITED L&T :NA (33) Name of priority country HOUSE, BALLARD ESTATE, P.O. BOX: 278, MUMBAI 400 :NA (86) International Application No 001, Maharashtra India :NA (72)Name of Inventor: Filing Date :NA (87) International Publication No : NA 1)R.K. PANDA (61) Patent of Addition to Application 2)JITENDAR VEERAMALLA :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Disclosed is a linear electromagnetic operator (500). The linear electromagnetic operator (500) comprises an electromagnet assembly (100), a cover assembly (300) and a mounting plate assembly. The linear electromagnetic operator (500) facilitates ease of coil replacement, ease of mounting on a switching device (600) and avoids restraining of a spring. The linear electromagnetic operator (500) provides high power to stroke ratio, high power to weight ratio and constant power output.

No. of Pages : 42 No. of Claims : 7

(22) Date of filing of Application :28/03/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : AN ADAPTIVE THERMAL OVERLOAD PROTECTION SYSTEM FOR MOTOR PROTECTION AND METHOD THEREOF

(51) International classification	:H03K17/082, H03K17/08,H02H6/00	
(31) Priority Document No	:NA	Address of Applicant : L & T House, Ballard Estate, P.O. Box
(32) Priority Date	:NA	278, Mumbai 400 001, State of Maharashtra, India
(33) Name of priority country	:NA	2)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)SUDHA, K S
(87) International Publication No	: NA	2)GAJJAR, Gopal
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

An adaptive thermal overload protection system (102) and method thereof for protecting a motor from overheating, by tripping the motor on reaching a maximum permissible percentage of thermal capacity used (TCU) is disclosed. The adaptive thermal overload protection system comprises of a numerical relay (104) for detecting at least one thermal overload condition with a current sensing mechanism (106), and a local human machine interface (HMI) and a PC HMI (114) for providing at least one thermal overload settings. The numerical relay (104) further comprises of a CPU controller (112) with protection algorithm logic installed (116), an analog/digital converter (108) for capturing current analog samples from said current sensing mechanism (106) and converting said analog signals into digitized form; and a data acquisition and metering section (110) taking said digitized inputs from said analog/digital converter (108) and transmitting said digitized signal to said CPU controller (112).

No. of Pages : 30 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :21/10/2014

#### (54) Title of the invention : WELLNESS RISK MITIGATION TOOL FOR INDIVIDUALS AS WELL AS CORPORATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	G06Q50/22 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)DR. C. H. ASRANI Address of Applicant :B 903/904 SKYPAN, ANDHERI (WEST), MUMBAI 400053, MAHARASHTRA, INDIA</li> <li>(72)Name of Inventor :</li> <li>1)DR. C. H. ASRANI</li> </ul>
Filing Date (87) International Publication No	:NA : NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a wellness risk mitigation tool for individuals as well as corporate that helps with predictive analysis, preventive advice and promotive activities from a team of experts, encompassing the entire spectrum of wellness for them. This tool offers absolutely personalized recommendations towards rational testing and specifics of lifestyle adoption. It also addresses any queries/concerns; the users may have in real time. The whole service is made available to users online for easy interaction with the team of experts and continuous monitoring of the individuals activities by them thus helping them achieve their ideal wellness quotient.

No. of Pages : 32 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :24/03/2014

(54) Title of the invention : COMPOSITE MATERIAL.		
(51) International classification	:C08L1/02, C08L5/00	(71)Name of Applicant : 1)BINISH R. DESAI
(31) Priority Document No	:NA	Address of Applicant :301-A, ISHAN APARTMENT, VASHI
(32) Priority Date	:NA	FALIYA, NALAR ROAD, VALSAD - 396001, GUJARAT -
(33) Name of priority country	:NA	INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)BINISH R. DESAI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A new composite material comprising cellulose, gum base, water and bdream base, wherein, bdream base consists of gum base, cellulose extract and soil extract in the ratio of about 2: 6.7:1. 5. Cellulose may be present in the form of paper sludge and the gum base in the form of melted sanitized chewing gum base. The process of producing such composite material comprising the steps of (a) collecting paper sludge and chewing gum base (b) sanitizing and melting the chewing gum base (c) preparing of bdream base by mixing melted chewing gum base, cellulose extract and soil extract (e) mixing of paper sludge, melted sanitized chewing gum base, water and bdream base to obtained the composite material (f) molding the compositing material, and (g) drying of the molded composite material.

No. of Pages : 9 No. of Claims : 8

(22) Date of filing of Application :10/09/2014

#### (54) Title of the invention : AUTOMATED SENSOR FOR DETECTING BACTERIAL GROWTH USING MICROCONTROLLER

		(71)Name of Applicant :
		1)PUTTUR UJWAL
		Address of Applicant :NMAM INSTITUTE OF
(51) International classification	:g01n	TECHNOLOGY, DEPARTMENT OF BIOTECHNOLOGY
(31) Priority Document No	:NA	ENGINEERING, NITTE - 574 110 (UDUPI DIST) Karnataka
(32) Priority Date	:NA	India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)SACHINANANDA PRABHU
Filing Date	:NA	2)PUNITH P. SALIAN
(87) International Publication No	: NA	3)PREETHAM AMIN
(61) Patent of Addition to Application Number	:NA	4)VAISHAK S. ACHAR
Filing Date	:NA	5)MAKADIA SAVAN ATULBHAI
(62) Divisional to Application Number	:NA	6)MOHAMMED MUHEEB
Filing Date	:NA	7)RASHMI RAO
		8)GURUPRASAD K.
		9)UJWAL P
		10)DURGAPRASAD

#### (57) Abstract :

An automated sensor for monitoring bacterial growth using microcontroller is an automated device that can be used for the analysis of the growth plot of the bacterial test solution. This instrument consists of the Infrared sensors which produces a corresponding output voltage based on the turbidity of the test solutions. These voltage readings are recorded at the predefined interval of time as defined by the user. This is done with the help of the microcontroller. The microcontroller also ensures that the test solution is at suitable conditions for carrying out the experiments. The analysis of the stored data is done at the end of the experiment, by transferring the contents of the microcontroller to the computer through the USB interface. Software running on the computer extracts this data and plots a growth plot.

No. of Pages : 10 No. of Claims : 8

(22) Date of filing of Application :10/11/2014

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD AND SYSTEM FOR OPTIMIZING PROCESSING OF INSURANCE CLAIMS AND DETECTING FRAUD THEREOF

(51) International classification	:g06q	(71)Name of Applicant :
(31) Priority Document No	:NA	1)WIPRO LIMITED
(32) Priority Date	:NA	Address of Applicant :Doddakannelli, Sarjapur Road,
(33) Name of priority country	:NA	Bangalore 560035, Karnataka, India.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ABHISHEK GUNJAN
(87) International Publication No	: NA	2)SREEVIDYA KHATRAVATH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

Embodiments of the present disclosure disclose a method for optimizing processing of insurance claims. The method comprises one or more steps performed by an insurance data processing apparatus. The method comprises examining completeness of information in an insurance application form to avail insurance claims for an insured patient. Then, the information contained in the insurance application form is segmented into at least one of medical data and behavioural data of the insured patient. Next, one or more diseases from the medical data into a medical group and behavioural parameters from the behavioural data are classified into a behavioural group. The classification is performed using predefined one or more ontologies comprising medical ontologies and behavioural ontologies. Then, a relevancy of the insurance claims associated to the insured patient is verified based on the classification of the one or more diseases and the behavioural parameters.

No. of Pages : 46 No. of Claims : 17

(22) Date of filing of Application :07/11/2014

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : NOVEL CATALYST-FREE SELF SEEDED METHOD FOR THE PRODUCTION OF C-SI-GE AND SI-GE NANOTUBES BY CVD

(51) International classification	:ho1j	(71)Name of Applicant :
(31) Priority Document No	:NA	1)A. PANDURANGAN
(32) Priority Date	:NA	Address of Applicant :R-43, 7TH STREET, TNHB COLONY,
(33) Name of priority country	:NA	VELACHERY, CHENNAI - 600 042 Tamil Nadu India
(86) International Application No	:NA	2)S. CHANDRAKISHORE
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)A. PANDURANGAN
(61) Patent of Addition to Application Number	:NA	2)S. CHANDRAKISHORE
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to the Novel catalyst-free method for the production of Si-Ge and C-Si-Ge nanotubes by CVD method. An economical and simple technique was adapted for the production of Silicon-Germanium (Si-Ge) nanotubes and Carbon-Silicon-Germanium (C-Si-Ge) hybrid nanomaterial with tubular morphology. This method is focused towards the architecture of tubular Si-Ge and C-Si-Ge hybrid nanomaterial without any catalyst by Carbon Vapour Deposition (CVD) technique. The combined Si, Ge and C precursor has a general formula Ge R(4.X)LX/ Si R(4-X)LX where x = 1,2, or 3; R may consists of alkyl, cycloalkyl or aryl group and L = Hydrogen, halide or alkoxide. The process temperature and partial pressure of carbon containing Si-Ge precursor in the reactor plays a crucial role in the successful production of nanotubes. The final product obtained was characterized by Raman spectroscopy, Scanning electron microscopy (SEM), transmission electron microscopy (TEM) and Photo Luminescence (PL).

No. of Pages : 27 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :10/11/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : TRAILER DETACHMENT SYSTEM FOR TRUCK (51) International classification :b62d (71)Name of Applicant : (31) Priority Document No 1)Daimler AG :NA (32) Priority Date Address of Applicant :70546, Stuttgart, Germany :NA (33) Name of priority country :NA (72)Name of Inventor : (86) International Application No 1)Saravanan KAMALAKANNAN :NA Filing Date :NA 2)Anil Kumar B K (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The present invention provides a trailer detachment system (100) for a vehicle (10), wherein the system (100) comprises a sensor unit installed on a fifth wheel coupling assembly (30) of the vehicle (10) for sensing theload of a trailer (20) and outputting a sensor signal. A controller connected to the sensor unit receives the sensor signal and determines a tilt angle of the trailer (20) based on the sensor signal. The controller comparing the tilt angle with a threshold angle and controls an actuator coupled to a release handle of the fifth wheel coupling assembly (30) based on the comparison. The controller sends a release signal to the actuator for releasing a kingpin of the trailer (20) from the fifth wheel coupling assembly (30) when the determined tilt angle is greater than the threshold angle, thus preventing toppling of the vehicle, well in advance.

No. of Pages : 13 No. of Claims : 9

(22) Date of filing of Application :11/08/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : NOVEL 5-SULFONAMIDE-PYRIMIDINE-2,4(1H,3H)-DIONE DERIVATIVES AS HIGHLY ACTIVE ANTI-HIV AGENTS

(51) International classification	:c07d	(71)Name of Applicant :
(31) Priority Document No	:NA	1)VENKATA SASIDHAR BALLA
(32) Priority Date	:NA	Address of Applicant : C/O. PROF. RAMAKRISHNA
(33) Name of priority country	:NA	KARIPEDDI INSTITUTE OF SCIENCE, DEPARTMENT OF
(86) International Application No	:NA	CHEMISTRY, GITAM UNIVERSITY, GANDHI NAGAR,
Filing Date	:NA	RUSHIKONDA, VISAKHAPATNAM - 530 045 Andhra Pradesh
(87) International Publication No	: NA	India
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)VENKATA SASIDHAR BALLA
(62) Divisional to Application Number	:NA	2)KARIPEDDI RAMAKRISHNA
Filing Date	:NA	3)GIRISH DIXIT

(57) Abstract :

Disclosed herein are novel 5-substituted sulfonyl amides of pyrimidine-2,4(IH,3H)-dione [uracil] derivatives, processes for their preparation, pharmaceutical compositions comprising the derivatives, and methods of use thereof for treating various disorders that are related to HIV.

No. of Pages : 34 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :14/11/2014

(43) Publication Date : 21/11/2014

(54) Title of the invention : FRIENDLY MOBILE MODES		
(51) International classification	:h04m	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PASUPULETI. SHIREESHA
(32) Priority Date	:NA	Address of Applicant :THUMMALAPALLY (VI)(PO),
(33) Name of priority country	:NA	MOTHEY (MD), NALGONDA (DT) - 508 212 Telangana India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)PASUPULETI SHIREESHA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

This is Abstract of the Friendly mobile modes Now a days mobile phones are a part of life. These playing a vital role in the human day to day life. It was became the ornament for everyone. Some persons need their phones every minute. Whenever the mobile phone usage started, it helped for the development of society. But, nowadays, at a very high mobile phone usage rate, people were disturbed with the calls especially unknown and not important calls. It influence besides radiation effect, affecting the natural life thereby decreasing the concentration. Silent mode helping the people in this purpose but it also has some draw back. A New technique I would like to introduce here overcomes this drawback. The technique adds two (2) modes to the Mobile Phone in addition to the existing General, Silent, Meeting etc., One is Different Silent Mode. When this mode is selected, it asks to select a contact (s)/ a particular group (s), unknown numbers (those not saved in contacts), mobile also rings even in Silent mode for these above selected contact (s). Second one is Different General Mode. When this mode is selected, it also asks like above and kept silent for these selected contact(s) even the mobile phone is in General (ringing) mode. For these (2) modes, alloting shortcuts (like pressing button continuously or any) on the mobile phone for easy and instant usage. By the above two (2) modes, persons will alert to the important calls very easily and avoid the un necessary calls when they are in meetings or involved in other important works. Mobile phone is very useful for a network & message transformation but at the same time it affecting the some common activities, it gives negative thinking on mobiles. Over coming of this negative version, if they select these options, they can freely do their common activities (eating, sleeping, praying etc.) and likes to use the mobile. This option is very useful for Government employees, doctors, IT professionals and also for every one.

No. of Pages : 7 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :10/11/2014

#### (54) Title of the invention : SYSTEM AND METHOD FOR BIOMETRIC USER AUTHENTICATION

:g06f(71)Name of Applicant ::NA1)WIPRO LIMITED:NAAddress of Applicant :Doddakannelli, Sarjapur Road,:NABangalore 560035, Karnataka, India.:NA(72)Name of Inventor ::NA1)VINOD PATHANGAY:NA2)SATISH PRASAD RATH:NA:NA:NA
:NA :NA

(57) Abstract :

The present disclosure relates to a method and a system for authenticating a user. In one embodiment, one or more input and target data samples extracted from a plurality of physiological and movement signals of the user are processed to train one or more regression models. In real time authentication, the input and target data samples are extracted from the plurality of physiological and activity signals and mapped with trained regression models to determine a regression error. Based on the regression error, an appropriate authentication signal is then generated and transmitted to the user. Using dynamically selected multiple input and target data samples for user authentication increases the accuracy of authentication, thereby reducing possibilities of invalid authentication. Further, the power consumed by the sensors and computation load is reduced by dynamically powering up and powering down of the one or more sensors based on their usage during the authentication process.

No. of Pages : 35 No. of Claims : 15

(22) Date of filing of Application :04/11/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : A SECURITY SYSTEM FOR SENSING, ALERTING OF FIRE HAZARDS AND RESCUING METHODS EMPLOYED THEREOF

(51) International classification	:g08b	(71)Name of Applicant :
(31) Priority Document No	:NA	1)KOOCHANA HARINATH
(32) Priority Date	:NA	Address of Applicant :H. No. 1-57, Yelukurthy (Vill),
(33) Name of priority country	:NA	Dharmasagar (Mandal), Warangal (Dist), Telangana-506142,
(86) International Application No	:NA	Telangana India
Filing Date	:NA	2)KUKATLA ASHOK YADAV
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)KOOCHANA HARINATH
Filing Date	:NA	2)KUKATLA ASHOK YADAV
(62) Divisional to Application Number	:NA	3)THUMULA VENUGOPAL
Filing Date	:NA	4)KARRA VIJAYPAL REDDY

(57) Abstract :

Exemplary embodiments of the present disclosure are directed towards a security system for fire hazards comprising a plurality of sensors for detecting hazard and transmitting a signal, a panel board for receiving signals and enabling warning with lighting and alarm functions and a plurality of alarms activated by the panel board for alerting by alarming with high intensity.

No. of Pages : 17 No. of Claims : 13

(22) Date of filing of Application :12/09/2014

#### (54) Title of the invention : ROAD RUNNER AUTOMATIC BATTERY CHARGING TECHNIQUE

(51) International classification:h02j(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NAFiling Date:NAKa:NAFiling Date:NA	1)M. VARUN KUMAR Address of Applicant :NO-77, BIG STREET, KARNAMBUT VILLAGE, KATPADI TK, VELLORE DT - 632 519 Tamil Nadu India (72)Name of Inventor : 1)M. VARUN KUMAR
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#### (57) Abstract :

Enhancement of vehicle control using securitized GSM technology which in turn called as Road Runners is an technique, which can be assembled in all sorts of vehicles and by using this technique one can have a unique control over his /her vehicle, Road Runners device gets its power supply for its working by the means of two rechargeable batteries, each passes 6 Volts power, altogether 12 volts power supply will be passed to the Road Runners mechanism. This Road Runners rechargeable batteries is being charged from the vehicle main battery supply to which it has been connected, the techniques how the Road Runners batteries get charged from the vehicle main battery is as follows Road Runners uses an unique technique through which it gets power supply from the vehicle main battery for its functioning through a DC to DC converter which we had designed for real time charging of Road Runners mechanism batteries, as vehiclesfour wheelers) were concerned in real time, the specialty of this DC to DC converter is there wont be any voltage cutoffs, (i.e.as output of the DC to DC is concerned, voltage remains the same where as there is constant AMPS reduction can be alone found as per the requirement of Road Runners mechanisms batteries as be charged by the supplied output of the above mentioned invention), this invention is a DC to DC converter, which is an electronic Circuit device, which is used to convert the source of direct current from one voltage level to the another voltage level. DC to DC converter is a portable device with the combination of the several sub-circuits, each with its own voltage requirements different from the external battery power supply. The device is based on Push-Pull topology utilizing the power MOSFET switches, ICs, Center-Trapped Transformer, and analog and digital circuits with suitable controllers feedback to step-down the current from the external source, the DC to DC converter used here is for the purpose of continuous recharging of the two 6V battery which are connected in series with a total of 12v and 9 AH of power when it gets down. By using this converter we can reduce the amps from the vehicles battery which gives 30 to 35AH to 9AH as per the requirements. The converter consists of the sub devices which are In-built inside works with suitable principle that is responsible for the Amps reduction and gives out the desired voltage level, this invention works in the principle of Push Pull technology and Pulse Width Modulation, In order to charge another battery from this device its get charge by means of the PWM technique, this technique provides on/off duty cycle of 250ms by generating the Pulsating wave. The dc to dc charger mainly consists of the two power Mosfet transistors. This device provides the cutoff voltage for a given voltage to this device. The device mainly designed for reducing the Amphers (current) from the DC source battery which gives 12v and 35AH, Power transistors and the shunt resistor plays a very important role in this device. Mosfet is mainly used for high currents. The capacitors whose values is of 2200uf is used for the storage protection and to reduce the ripples. The toroidal inductor is used to drop the high currents, the main purpose of the inductor is to store the magnetic field, and the inductor consists of the magnet wounded with copper wire for generating the EMF. The shunt resistance decreases the Maximum current and increaser the current from the reduced level to the desired level as per the requirement concerned. The MAV-232 voltage level converter is used here to provide the on and off delay of 250ms so that another device gets charge. Port 3.0 is used for the triggering purpose to release on/off duty cycle. The input of the 12v and 35AH is given to this dc to dc charger and it provides an output of 12v and 9AH and this voltage levels is given to the two dc batteries of 6v which are connected in series. The fuse which is used here mainly for the short circuit protection. This also consists of two LM 358 high gain op-Amps, which is mainly designed to operate from a single supply over a wide range of voltages.

No. of Pages : 28 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :26/09/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : UNMANNED WATERCRAFT FOR GILLNET FISHING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)K.F. CLEETUS Address of Applicant :KURISINKAL HOUSE, #15/231, MAVELI ROAD, MUNDAMVELI P.O. COCHIN - 682 507 Kerala India</li> </ul>
Filing Date	:NA	2)SANEETH K.C.
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)K.F. CLEETUS
Filing Date	:NA	2)SANEETH K.C.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A battery operated unmanned water craft comprising of motor, propeller, adjustable rudder, timer and hook releasing arrangement for deploying gillnets or fishnets at a desired location across a water body and is capable of being reused.

No. of Pages : 11 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :01/11/2014

(43) Publication Date : 21/11/2014

### (54) Title of the invention : A PORTABLE ARRANGEMENT FOR FORMING AN ARENA

(51) International classification	:e04h	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ABHILASH INUMELLA
(32) Priority Date	:NA	Address of Applicant :H.No.28-4-14/1 (Behind BSNL Office),
(33) Name of priority country	:NA	Caltex Area, Bellampally, Telangana State-504251, India.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ABHILASH INUMELLA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Exemplary embodiment of the present disclosure is directed towards portable arrangement for forming an arena. The arrangement includes one or more connecting elements connected together in a predetermined shape for fixing in a required position on surface of ground/floor and one or more coupling elements connected to the one or more connecting elements for forming the arena of required height and required length and a fabric enclosing the predetermined shape.

No. of Pages : 10 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :06/11/2014

(43) Publication Date : 21/11/2014

(54) Title of the invention : DEVICE AND METHOD FOR BALANCING PRESSURE IN DUAL TYRES FOR VEHICLE			
(51) International classification	:b60c	(71)Name of Applicant :	
(31) Priority Document No	:NA	1)Daimler AG	
(32) Priority Date	:NA	Address of Applicant :70546, Stuttgart, Germany	
(33) Name of priority country	:NA	(72)Name of Inventor :	
(86) International Application No	:NA	1)Sukruth SRIKANTH	
Filing Date	:NA		
(87) International Publication No	: NA		
(61) Patent of Addition to Application Number	:NA		
Filing Date	:NA		
(62) Divisional to Application Number	:NA		
Filing Date	:NA		

(57) Abstract :

The present invention provides a tyre pressure balancer for dual tyres of a vehicle, wherein the tyre pressure balancer comprises a stop valve (106) movable between an open position and a closed position, wherein the stop valve (106) blocks an airflow (F) between the tyres when moved to the closed position. An electromagnetic lock pin (109) locks the stop valve (106) in the open position. An orifice plate (107) with an orifice allows the airflow (F) when the stop valve (106) is in the open position. An electronic control unit (ECU) (111) releases the pin (109) to move the stop valve (106) to the closed position upon determining that the tyre is leaking. The ECU (111) determines that the tyre is leaking when the orifice plate (107) is at a displaced position for at least predetermined time period.

No. of Pages : 18 No. of Claims : 10

(22) Date of filing of Application :07/11/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SPIROGRAPH BASED MECHANICAL ASSEMBLY FOR FABRICATION, TESTING AND MEASUREMENT OF PRODUCT WITH NEAR UNIFORM CHARACTERISTICS

(51) International classification:d01d(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NAKa:NAKa:NAKa:NAKa:NAKa:NAKa:NAKa:NAKa:NAKa:NA	<ul> <li>(71)Name of Applicant :</li> <li>1)P. PATHALAMUTHU Address of Applicant :TEACHING FELLOW IN</li> <li>MECHANICAL ENGINEERING, ENGINEERING DIVISION, DEPARTMENT OF CHEMICAL ENGINEERING, A.C. TECH, ANNA UNIVERSITY, CHENNAI - 600 025 Tamil Nadu India</li> <li>2)A. SIDDHARTHAN</li> <li>3)DR. V.R. GIRIDEV</li> <li>(72)Name of Inventor :</li> <li>1)P. PATHALAMUTHU</li> <li>2)A. SIDDHARTHAN</li> <li>3)DR. V.R. GIRIDEV</li> </ul>
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(57) Abstract :

The present disclosure provides Spirograph based mechanical system to process materials with near uniform properties. The mechanical system comprises of a spiropath unit attached to the design pointer on the internal gear. The design pointer is designated for pattern formation and the different placement of design pointer on the internal gear gives different pattern of spirograph. As a proof of concept, spirograph based mechanical system designed for electrospinning process. The spiropath unit was collector plate and vielded fibre mat with different multi-oriented pattern having near uniform structure and properties in all sections. Depending upon the application, the spiropath unit may be collector plate, polishing tool, grinding tool, measuring tool etc. The advantage of near uniform characteristics and short processing time is attained in fabrication, testing and measurement of products.

No. of Pages : 20 No. of Claims : 7

(22) Date of filing of Application :13/11/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : A NOVEL MULTI SENSOR ARRAY HELMET FOR MAGNETOENCEPHALOGRAPHY AND A METHOD TO MANUFACTURE USING PLASTICS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:a61b :NA	(71)Name of Applicant : 1)SANJAY KUMAR NAYAK
(32) Priority Date	:NA	Address of Applicant :CENTRAL INSTITUTE OF
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>		PLASTICS ENGINEERING AND TECHNOLOGY (CIPET), GUINDY, CHENNAI - 600 032 Tamil Nadu India
Filing Date		(72)Name of Inventor :
(87) International Publication No	: NA	1)S. ILANGOVAN
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)R. JOSEPH BENSINGH 3)SANJAY KUMAR NAYAK
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a Novel Multi Sensor Array Helmet for Magnetoencephalography and a Method to Manufacture Using Plastics. The Multi Sensor Array Helmet has an adaptive concave profiled shell, integrated receivers for cylindrical sensors and disc sensors and has pivot tubes for assembly. The concave profiled shell is integrated with receivers and pivot tubes and manufactured as monolithic structure. Thereby, the present invention provides for precision positioning of sensors and eliminates the issues relating to positioning and retention of the sensors.

No. of Pages : 14 No. of Claims : 7

(22) Date of filing of Application :08/09/2014

## (54) Title of the invention : SIMULTANEOUS BIOSYNTHESIS OF GOLD NANOSPHERE, NANORODS AND NANOTRIANGLES USING SANTALUM ALBUM MATURE AND TENDER LEAF EXTRACT

(51) International classification	:g01n	(71)Name of Applicant :
(31) Priority Document No	:NA	1)C. VAMAN RAO
(32) Priority Date	:NA	Address of Applicant : DEPT. OF BIOTECHNOLOGY
(33) Name of priority country	:NA	NMAM INSTITUTE OF TECHNOLOGY NITTE - 574 110,
(86) International Application No	:NA	(UDUPI DISTRICT) Karnataka India
Filing Date	:NA	2)MS. SNEHA NAYAK
(87) International Publication No	: NA	3)VINAYAKA B. SHET
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)C. VAMAN RAO
(62) Divisional to Application Number	:NA	2)SNEHA NAYAK
Filing Date	:NA	3)VINAYAKA B SHET

(57) Abstract :

Biogenic gold nanoparticles were synthesized by reducing chloroauric acid (HAuCU) with cell free extracts of Santalum album fresh tender leaf, at room temperature and pressure. The synthesized nanoparticles were characterized by UV-visible spectroscopy, SEM analysis. The gold nanoparticles (AuNPs) showed surface plasmon band at 540nm. SEM image shows that the size of the nanospheres ranges from 80nm to 92nm, nanorods ranges from 80nm to 300 nm and nanotriangles with base length of 333nm for AuNPs.

No. of Pages : 6 No. of Claims : 1

### **Publication After 18 Months:**

The following Patent Applications have been published under Section 11A (3) of The Patents (Amendment) Act, 2005. Any Person may file representation by way of opposition to the Controller of Patents at the appropriate office against the grant of the patent in the prescribed manner under section 25(1) of the Patents (Amendment) Act, 2005 read with the rule 55 of The Patents (Amendment) Rules, 2006:

(12) PATENT APPLICATION PUBLICATION	(21) Application No.3692/DELNP/2013 A
(19) INDIA	
(22) Date of filing of Application :26/04/2013	(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD AND DEVICE TO PROTECT AN ESP POWER SUPPLY FROM TRANSIENT OVER VOLTAGES ON THE POWER GRID

<ul> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	/EP2011/067061	<ul> <li>(71)Name of Applicant : <ul> <li>1)ALSTOM TECHNOLOGY LTD</li> <li>Address of Applicant :Brown Boveri Strasse 7 CH 5400</li> </ul> </li> <li>Baden Switzerland</li> <li>(72)Name of Inventor : <ul> <li>1)RANSTAD Per</li> <li>2)LINN‰R Jrgen</li> </ul> </li> </ul>
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(57) Abstract :

A power supply converter unit is disclosed in particular for an electrostatic precipitator converting the frequency of alternating input supply (1) to high frequency alternating output (Ua Ub) by rectifying the alternating input supply (1) in a rectifier (12) to a direct current (Udc) which is converted to alternating current in a full bridge inverter (13) in a H bridge circuit with switches (48) controlled by a control unit (23). According to the invention on the input side of the rectifier (12) and/or in the direct current (Udc) section there is provided at least one overvoltage protection circuitry (34 35 37 39 45). Furthermore the invention discloses a method of operation of such a power supply converter unit.

No. of Pages : 20 No. of Claims : 15

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : BENT OUT WALL IN THE REGION OF A SUBSTANTIALLY RECTANGULAR BURNER OPENING

(51) International classification	:F23M5/08,F23M7/04	(71)Name of Applicant :
(31) Priority Document No	:10 2010 047 145.3	1)ALSTOM TECHNOLOGY LTD.
(32) Priority Date	:30/09/2010	Address of Applicant :Brown Boveri Str. 7/699/5 CH 5401
(33) Name of priority country	:Germany	Baden Switzerland
(86) International Application No	:PCT/EP2011/067196	(72)Name of Inventor :
Filing Date	:30/09/2011	1)ESCHENHAGEN Jens
(87) International Publication No	:WO 2012/042051	2)LEUTHEL Leonhard
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) 11 (		•

(57) Abstract :

Bent out wall in the region of a substantially rectangular burner opening (2) wherein the bent out wall (1) is formed by tube walls (3) and the tube walls (3) consist of tube fin tube combinations welded in a gastight manner and the tubes (5) thereof are flowed through by a cooling medium wherein at least part of the bent out wall (1) along the two longitudinal sides (7) of the rectangular burner opening (2) is formed by means of prefabricated tube wall segments (4) and wherein the prefabricated tube wall segments (4) are machine welded in the planar state at the workshop and are subsequently bent at the workshop to a wall bending radius (R) of 70 140 mm and a wall bending angle (W) of 110° 150°.

No. of Pages : 12 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : COMBINED CYCLE POWER PLANT WITH CO2 CAPTURE AND METHOD TO OPERATE IT

(51) International classification	:F02C6/18,F01K23/10	(71)Name of Applicant :
(31) Priority Document No	:10186603.6	1)ALSTOM TECHNOLOGY LTD
(32) Priority Date	:05/10/2010	Address of Applicant :Brown Boveri Strasse 7 CH 5400
(33) Name of priority country	:EPO	Baden Switzerland
(86) International Application No	:PCT/EP2011/067179	(72)Name of Inventor :
Filing Date	:30/09/2011	1)LI Hongtao
(87) International Publication No	:WO 2012/045689	2)DROUX Fran§ois
(61) Patent of Addition to Application	:NA	3)RUCHTI Christoph
Number	:NA :NA	4)REYSER Karl
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A combined cycle power plant (30) with a gas turbine (31 33) steam turbine (39) and first HRSG (36) comprises a CO2 capture plant (48) for the at least partial capture of CO2 from the exhaust gases from the gas turbine (33). It comprises in particular a second HRSG or boiler (43) arranged to receive a portion of the exhaust gases and transfer its heat to steam and feedwater. Steam generated in the second HRSG or boiler (43) is used for the operation of the CO2 capture plant (48) and/or to operate a steam turbine (60 61) that drives a generator and optionally a CO2 compressor (65). The power plant (30) according to the invention allows for greater flexibility in power plant part load control and power plant efficiency. A method to operate the power plant is also claimed.

No. of Pages : 28 No. of Claims : 15

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHODS AND ARRANGEMENTS FOR ENABLING DATA TRANSMISSION BETWEEN A MOBILE DEVICE AND A STATIC DESTINATION ADDRESS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant :S 164 83 Stockholm Sweden</li> <li>(72)Name of Inventor :</li> <li>1)SKOG Robert</li> </ul>
Filing Date	:24/11/2010	
(87) International Publication No	:WO 2012/070990	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The embodiments of the present invention provide a solution for simplifying data transmission between a mobile device and a static destination address. This is achieved by introducing a new network node referred to as a VPC connector. The VPC connector is associated with a gateway of the operator network such as a GGSN. The VPC connector has access to a static first mapping between a subscriber identity associated with the mobile device and a static destination address to which the data from the mobile device should be sent. In order for the gateway to be able to route data from the mobile device to the correct static destination address the gateway sends a dynamic second mapping between a temporary IP address of the mobile device and the subscriber identity associated with the mobile device to as the VPC connector. When the GGSN receives data from the temporary IP address of the mobile device the GGSN requests information of the VPC address to which the GGSN should route that data. Since the VPC connector can identify from which IP address the data is received the VPC connector can then retrieve the VPC address by using the static first mapping and the dynamic second mapping.

No. of Pages : 30 No. of Claims : 25

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR POSITIONING A WELDING HEAD BY MEANS OF MICROWAVES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:A 676/2011 :12/05/2011 2:Austria :PCT/AT2012/000133	<ul> <li>(71)Name of Applicant :</li> <li>1)FRONIUS INTERNATIONAL GMBH Address of Applicant :Vorchdorfer Strae 40 A 4643</li> <li>Pettenbach Austria</li> <li>(72)Name of Inventor :</li> <li>1)HADERER Andreas</li> <li>2)STELZER Andreas</li> </ul>
Filing Date	:11/05/2012	_)~
(87) International Publication No	:WO 2012/151597	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	<sup>n</sup> :NA :NA	

(57) Abstract :

The invention relates to a method for positioning a welding head or welding torch (7) of a robot welding system over a workpiece (14). For the position determination a measuring signal is sent in the form of microwaves from a transmitter arranged on the welding head to the workpiece (14) the microwaves reflected on the workpiece (14) are received by at least one receiver arranged on the welding head and the received microwaves are evaluated by an evaluation module for determining the position of an edge (26) of the workpiece (14). In order to provide an accurate perturbation sensitive position determination the microwaves are sent from at least one transmitter in different positions on the welding head and the reflected microwaves are received with a change of polarisation by at least one receiver arranged on the welding head having a polarisation plane arranged at an angle to the polarisation plane of the transmitter and the position of the edge (26) is determined by the evaluation module at least on the basis of a phase change of the respective microwaves reflected on the different positions. The invention also relates to a method for the model supported positioning of a welding head of a robot welding system over a workpiece (14) wherein for the position determination: a measuring signal is sent in the form of microwaves from a transmitter arranged on the welding head to the workpiece (14) and the microwaves reflected on the workpiece (14) are received by at least one receiver arranged on the welding head and the received microwaves are evaluated by an evaluation module for determining the position of an edge (26) of the workpiece (14); the evaluated measuring signal is transferred from the evaluation module to a model calculation module; and a stored model containing a plurality of defined parameters is activated by the model calculation module said model being selected by means of seam geometry entered by an input and/or output device (18) and the calculated model is compared to the evaluated measuring signal by modifying pre defined parameters until a defined congruence is available.

No. of Pages : 24 No. of Claims : 12

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : VOLTAGE REGULATOR DEVICE FOR A ROTARY ELECTRIC MACHINE BEARING FOR SUCH A MACHINE EQUIPPED WITH SUCH A DEVICE AND SUCH A MACHINE COMPRISING SUCH A BEARING

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	1 :H02K5/18,H02K9/28,H02K11/04 :1060780 :20/12/2010	<ul> <li>(71)Name of Applicant :</li> <li>1)VALEO EQUIPEMENTS ELECTRIQUES MOTEUR Address of Applicant :2 rue Andr Boulle F 94046 Creteil</li> </ul>
(33) Name of priority country	:France	Cedex France
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:PCT/FR2011/053045 :19/12/2011 :WO 2012/085423	<ul><li>(72)Name of Inventor :</li><li>1)DUGUE Christophe</li><li>2)LECOLE Brice</li><li>3)WALME Benoit</li></ul>
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

The invention relates to a voltage regulator device for a rotary electric machine notably an alternator and/or an alternator/starter of a motor vehicle said regulator device (14) comprising a support (34) and one or more electronic components (28) able to play a part in controlling said electric machine the support comprising a first part (60) on which the component or components is or are mounted said first part having an edge (62) equipped with a brush holder (50) equipped with at least one housing known as the brush housing capable of housing a brush (15) for making an electrical connection with a rotor (3) of the electric machine possible. According to the invention also relates to an assembly of a device for rectifying the current produced by the electric machine and of such a regulator device to a bearing of an electric machine equipped with such an assembly and to an electric machine equipped with such a bearing.

No. of Pages : 31 No. of Claims : 16

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : APPARATUS AND METHOD FOR PRODUCING THERMOPLASTIC ELASTOMER ELASTOMERS PRODUCED THEREBY AND ARTICLES PRODUCED FROM THE ELASTOMERS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:C08J3/24,B29C35/02,C08L23/04 :12/892286 :28/09/2010 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)EVANS Neal A. Address of Applicant :605 3rd Street Unit # 12 Traverse City MI 49684 U.S.A.</li> </ul>
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:PCT/US2011/053608 :28/09/2011	(72)Name of Inventor : 1)EVANS Neal A.
(87) International Publication No	:WO 2012/050863	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A method for producing thermoplastic elastomer is disclosed and comprises the step of: blending a mixture including particles of vulcanized rubber material and a molten thermoplastic material such that the rubber material is subjected to mechanical shearing forces and the surfaces of the rubber particles undergo homolytic bond scission to form chains of free radicals which cross link with the thermoplastic material. Apparatus for carrying out the method elastomers produced by the method and articles produced from the elastomers are also disclosed.

No. of Pages : 23 No. of Claims : 24

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : A CABLE COMPRISING A LAYER WHICH IS FORMED OF A COMPOSITION CONTAINING EPOXY GROUPS

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:H01B3/40,H01B7/28,H01B7/295 :10013863.5 :21/10/2010 :EPO :PCT/EP2011/003521 :14/07/2011 :WO 2012/052077 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BOREALIS AG Address of Applicant :IZD Tower Wagramerstrae 17 19 A</li> <li>1220 Wien Austria</li> <li>(72)Name of Inventor :</li> <li>1)FAGRELL Ola</li> <li>2)PRIETO Oscar</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a cable comprising a conductor surrounded by one or more layer(s) wherein at least one layer comprises a polyolefin composition comprising an olefin polymer (A) comprising epoxy groups; at least one crosslinking agent (B) which accelerates the crosslinking reaction of epoxy groups; and optionally a conductive filler.

No. of Pages : 70 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

(51) International classification	:G01G11/16,G01G23/01	(71)Name of Applicant :
(31) Priority Document No	:201010548484.5	1)SAIMO ELECTRIC CO. LTD
(32) Priority Date	:18/11/2010	Address of Applicant :Science Park Economic Development
(33) Name of priority country	:China	Zone Xuzhou Jiangsu 221004 China
(86) International Application No	:PCT/CN2010/080551	(72)Name of Inventor :
Filing Date	:30/12/2010	1)LI Da
(87) International Publication No	:WO 2012/065340	2)LIU Zhiliang
(61) Patent of Addition to Application	:NA	3)HE Fusheng
Number	:NA :NA	4)ZHANG Xingguo
Filing Date	.NA	5)HU Zhen
(62) Divisional to Application Number	:NA	6)ZHANG Deqiang
Filing Date	:NA	
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#### (54) Title of the invention : HIGH PRECISION BELT WEIGHING DEVICE

(57) Abstract :

A high precision belt weighing device is disclosed it mainly consists of a first belt weighing scale frame (1) a set of buffer carrier rollers (2) a volume scale hopper (3) a second belt weighing scale frame (4) a transfer conveyor (5) a dispenser (6) an initial point detector (7) a weighing control instrument (8) and a speedometer (11). The set of buffer carrier rollers (2) is provided between the first and second belt weighing scale frames (1 4) and the volume scale hopper (3) is provided above the set of buffer carrier rollers (2) and the transfer conveyor (5) is provided above the volume scale hopper (3). The first and second belt weighing scale frames (1 4) the volume scale hopper (3). The first and second belt weighing scale frames (1 4) the volume scale hopper (3) the initial point detector (7) the speedometer (11) are connected with the weighing control instrument (8) by cables the cumulative weight of bulk goods transited by the first belt weighing scale frame (1) the cumulative weight of bulk goods transited by the first belt weight of bulk goods in the volume scale hopper (3) and the belt null point in the length of belt detected by the initial point detector (7) are displayed in the instrument.

No. of Pages : 16 No. of Claims : 4

(19) INDIA

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

(51) International classification	:B01D53/10,C04B7/36	(71)Name of Applicant :
(31) Priority Document No	:61/424149	1)ALBEMARLE CORPORATION
(32) Priority Date	:17/12/2010	Address of Applicant :451 Florida Street Baton Rouge LA
(33) Name of priority country	:U.S.A.	70801 1765 U.S.A.
(86) International Application No	:PCT/US2011/064093	(72)Name of Inventor :
Filing Date	:09/12/2011	1)LIU Xin
(87) International Publication No	:WO 2012/082539	2)MILLER Jon E.
(61) Patent of Addition to Application	:NA	3)TANG Zhong
Number	:NA :NA	4)ZHOU Qunhui
Filing Date	.1 <b>N</b> A	5)ZHANG Yinzhi
(62) Divisional to Application Number	:NA	6)THALLS Kara M.
Filing Date	:NA	
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### (54) Title of the invention : REDUCTION OF MERCURY EMISSIONS FROM CEMENT PLANTS

(57) Abstract :

This invention provides methods for reducing emissions of mercury from a cement plant comprising at least a kiln (6) a particulate collection device (10) collected particulates an exhaust gas stream (8b) a heater and a mercury scrubber wherein the heater and mercury scrubber are upstream from the kiln. The methods comprise directing the collected particulates through the heater to form volatilized mercury species from the collected particulates; directing the collected particulates from the heater downstream toward the kiln; and directing the volatilized mercury species to the mercury scrubber. The exhaust gas stream (8c) exits the particulate collection device and is not directed into the heater. Optional steps include injecting a mercury sorbent at one or more points between the kiln and the particulate collection device.

No. of Pages : 15 No. of Claims : 15

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METHOD FOR PRODUCING SORBIC ANHYDRIDE AND ALSO USE THEREOF AS A PRESERVATIVE IN FOODS

<ul> <li>(51) International classification</li> <li>(31) Priority Document Not</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> <li>Filing Date</li> </ul>	:C07C51/56,C07C57/10,A23L3/3508 :10189357.6 :29/10/2010 :EPO :PCT/EP2011/068860 :27/10/2011 :WO 2012/055963 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LANXESS DEUTSCHLAND GMBH Address of Applicant :51369 Leverkusen Germany</li> <li>(72)Name of Inventor :</li> <li>1)KRAHWINKEL Ralf</li> <li>2)MARKERT Robert</li> <li>3)RITZER Edwin</li> <li>4)VOGL Erasmus</li> </ul>
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(57) Abstract :

A method for producing sorbic anhydride is described in which alkali metal or alkaline earth metal salts of sorbic acid are reacted with phosgene with one another in an inert organic solvent. In addition use thereof as preservative in foods in particular drinks is described.

No. of Pages : 10 No. of Claims : 9

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : TRANSMITTER LINEARIZED IN RESPONSE TO DERIVATIVE SIGNAL AND METHOD THEREFOR

(51) International classification	:H04B1/04	(71)Name of Applicant :
(31) Priority Document No	:12/917878	1)CRESTCOM INC.
(32) Priority Date	:02/11/2010	Address of Applicant :10040 E. Happy Valley Rd. No.242
(33) Name of priority country	:U.S.A.	Scottsdale AZ 85255 U.S.A.
(86) International Application No	:PCT/US2011/057231	(72)Name of Inventor :
Filing Date	:21/10/2011	1)MCCALLISTER Ronald D.
(87) International Publication No	:WO 2012/061038	2)BROMBAUGH Eric M.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1174	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		1

#### (57) Abstract :

A transmitter (50) includes a low power nonlinear predistorter (58) that inserts predistortion configured to compensate for a memoryless nonlinearity (146) corresponding to gain droop and another memoryless nonlinearity (148) corresponding to a video signal. When efforts are taken to reduce memory effects such as configuring a network of components (138) that couple to an HPA (114) to avoid resonance frequencies substantially throughout a video bandwidth (140) high performance linearization at low power results without extending linearization beyond that provided by the memoryless nonlinear predistorter (58). A look up table (282) has address inputs responsive to a magnitude parameter (152) of a communication signal (54). A predistorted communication signal (60) is responsive to the output of the look up table a derivative signal (204) and possibly one or more variable bias parameters (85). The look up table (282) is updated in response to an LMS control loop.

No. of Pages : 68 No. of Claims : 20

(22) Date of filing of Application :29/04/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : ELECTRIC DRIVE DEVICE (51) International classification :H02K7/116,B60K1/02,B60K7/00 (71)Name of Applicant : (31) Priority Document No 1)BAE SYSTEMS H,,GGLUNDS AKTIEBOLAG :10511962 (32) Priority Date :15/11/2010 Address of Applicant :S 891 82 –rnskldsvik Sweden (33) Name of priority country (72)Name of Inventor : :Sweden (86) International Application 1)KARLSSON Pontus :PCT/SE2011/051354 2)PRINSBACK Oskar No :11/11/2011 Filing Date (87) International Publication :WO 2012/067568 No (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

The present invention relates to an electric drive device comprising an electric motor (20) with a stator and a rotor arranged to rotate a drive shaft wherein said electric motor (20) is arranged to be accommodated in a housing further comprising opposite gear housings surrounding the electric motor each containing a transmission configuration wherein the electric drive device comprises a housing configuration in which the electric motor (20) as well as said opposite gear housings (30a 30b) are accommodated wherein each gear housing (30a 30b; 130a 130b) is attached and hereby locked to said housing configuration. The invention also relates to a motor vehicle.

No. of Pages : 35 No. of Claims : 17

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : OXIDE CATALYST PROCESS FOR PRODUCTION OF OXIDE CATALYST PROCESS FOR PRODUCTION OF UNSATURATED ACID AND PROCESS FOR PRODUCTION OF UNSATURATED NITRILE

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:B01J37/04,B01J23/30,B01J23/31 :2010248559 :05/11/2010 :Japan :PCT/JP2011/072781 :03/10/2011 :WO 2012/060175 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)Asahi Kasei Chemicals Corporation Address of Applicant :1 105 Kanda Jinbocho Chiyoda ku Tokyo 1018101 Japan</li> <li>(72)Name of Inventor :</li> <li>1)TATENO Eri</li> <li>2)ICHIHARA Takeo</li> <li>3)KATO Takaaki</li> </ul>
11	:NA :NA :NA	

(57) Abstract :

A process for producing an oxide catalyst for use in for example a gas phase catalytic oxidation reaction of propane or the like which comprises (I) a step of preparing a preparation solution containing a compound of Mo a compound of V a compound of Nb and a compound of Sb or Te at a specified ratio in terms of the contents of atoms of the elements (II) a step of drying the preparation solution to produce a dried powder and (III) a step of burning the dried powder wherein the step (III) comprises a step of burning the dried powder in the co presence of a solid material of a W containing compound to produce a pre burned powder or a burned powder or a step of burning the dried powder and burning the preburned powder in the co presence of the solid material fulfils predetermined requirements and the oxide catalyst comprises a catalyst composition.

No. of Pages : 121 No. of Claims : 10

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

(51) International classification	:C09K5/04	(71)Name of Applicant :
(31) Priority Document No	:61/422935	1)E.I. DU PONT DE NEMOURS AND COMPANY
(32) Priority Date	:14/12/2010	Address of Applicant :1007 Market Street Wilmington
(33) Name of priority country	:U.S.A.	Delaware 19898 U.S.A.
(86) International Application No	:PCT/US2011/064974	(72)Name of Inventor :
Filing Date	:14/12/2011	1)KONTOMARIS Konstantinos
(87) International Publication No	:WO 2012/082939	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (54) Title of the invention : COMBINATIONS OF E 1 3 3 3 TETRAFLUOROPROPENE AND AT LEAST ONE TETRAFLUOROETHANE AND THEIR USE FOR HEATING

#### (57) Abstract :

Disclosed herein is a method for producing heating comprising condensing a vapor working fluid comprising (a) CFCH=CHF and (b) at least one tetrafluoroethane of the formula CHF in a condenser thereby producing a liquid working fluid; provided that the weight ratio of CFCH=CHF to the total amount of CFCH=CHF and CHF in the working fluid is from about 0.01 to 0.99. Also disclosed herein is a heat pump apparatus containing a working fluid comprising (a) CFCH=CHF and (b) at least one tetrafluoroethane of the formula CHF; provided that the weight ratio of CFCH=CHF to the total amount of CFCH=CHF and CHF in the working fluid is from about 0.01 to 0.99. Also disclosed herein is a method for raising the maximum feasible condenser operating temperature in a heat pump apparatus suitable for use with HFC 134a working fluid relative to the maximum condenser operating temperature when HFC 134a is used as the heat pump working fluid comprising charging the heat pump with a working fluid comprising (a) CFCH=CHF and (b) at least one tetrafluoroethane of the formula CHF; provided that the weight ratio of CFCH=CHF and CHF is from about 0.01 to 0.99. Also disclosed herein is a method for replacing HFC 134a refrigerant in a heat pump designed for HFC 134a comprising providing a replacement working fluid comprising (a) CFCH=CHF and (b) at least one tetrafluoroethane of the formula CHF; provided that the weight ratio of CFCH=CHF and (b) at least one tetrafluoroethane of the formula CHF; provided that the weight ratio of CFCH=CHF to the total amount of CFCH=CHF and (b) at least one tetrafluoroethane of the formula CHF; provided that the weight ratio of CFCH=CHF and (b) at least one tetrafluoroethane of the formula CHF; provided that the weight ratio of CFCH=CHF and (b) at least one tetrafluoroethane of the formula CHF; provided that the weight ratio of CFCH=CHF and (b) at least one tetrafluoroethane of the formula CHF; provided that the weight ratio of CFCH=CHF and (b) at least one tetrafluoroethane of the formula CHF; provided that

No. of Pages : 52 No. of Claims : 27

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

#### ONE TETRAFLUOROETHANE FOR COOLING (51) International classification :C09K5/04 (71)Name of Applicant : (31) Priority Document No **1)E. I. DU PONT DE NEMOURS AND COMPANY** :61/422928 (32) Priority Date Address of Applicant :1007 Market Street Wilmington :14/12/2010 (33) Name of priority country Delaware 19898 U.S.A. :U.S.A. (86) International Application No :PCT/US2011/064976 (72)Name of Inventor : Filing Date :14/12/2011 1)KONTOMARIS Konstantinos (87) International Publication No :WO 2012/082941 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : USE OF REFRIGERANTS COMPRISING E 1 3 3 3 TETRAFLUOROPROPENE AND AT LEAST

(57) Abstract :

Disclosed herein is a method for producing cooling comprising evaporating a liquid refrigerant comprising (a) E CFCH=CHF and (b) at least one tetrafluoroethane of the formula CHF; provided that the weight ratio of E CFCH=CHF to the total amount of E CFCH=CHF and CHF is from about 0.05 to 0.99 in an evaporator thereby producing a refrigerant vapor. Also disclosed herein is a method for replacing HCFC 124 or HFC 134a refrigerant in a chiller designed for said refrigerant comprising providing a replacement refrigerant composition comprising (a) E CFCH=CHF and (b) at least one tetrafluoroethane of the formula CHF; provided that the weight ratio of E CFCH=CHF to the total amount of E CFCH=CHF and CHF is from about 0.05 to 0.99. Also disclosed herein is a chiller apparatus for cooling said apparatus containing a working fluid comprising a refrigerant comprising (a) E CFCH=CHF and (b) at least one tetrafluoroethane of the formula CHF; provided that the weight ratio of E CFCH=CHF to the total amount of E CFCH=CHF and CHF is from about 0.05 to 0.99.

No. of Pages : 46 No. of Claims : 33

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : CROSS FLOW FILTRATION WITH TURBULENCE AND BACK FLUSHING ACTION FOR USE WITH ONLINE CHEMICAL MONITORS

(51) International classification (31) Priority Document No	:B01D29/60,B01D29/66,B01D29/90 :12/956315	<ul> <li>(71)Name of Applicant :</li> <li>1)GENERAL ELECTRIC COMPANY Address of Applicant :1 River Road Schenectady NY 12345</li> </ul>
(32) Priority Date	:30/11/2010	U.S.A.
(33) Name of priority country		(72)Name of Inventor :
<ul> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International Data</li> </ul>	:PCT/US2011/057031 :20/10/2011	1)BYALSKIY Mikhail 2)LINK Brian
(87) International Publication	<sup>1</sup> :WO 2012/074616	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A filtration and monitoring system includes an online monitoring device and a filter block having a chamber therein. An inlet pipe provides fluid to the filter block chamber and has an inlet valve located therein configured to shut off the flow of the fluid through the inlet pipe. An outlet pipe removes fluid from the filter block chamber. A filtered fluid conduit fluidically connects the filter block with the monitoring device. The outlet axis of the outlet pipe is offset from the inlet axis of the inlet pipe such that the fluid undergoes a change of direction while passing through the filter block chamber thereby causing turbulent flow within the filter block chamber. The turbulent flow within the filter block sweeps off particles that accumulate on the filter block chamber side of the filter element to reduce the buildup of filter cake on the filter element. Closing the inlet valve causes a relatively sharp stop to the flow of fluid through the filter block resulting in a back flushing flow of fluid through the filter element from a pressure accumulator located in the filter block chamber. The back flushing flow of fluid dislodges filter cake accumulated on the filter block chamber.

No. of Pages : 12 No. of Claims : 17

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : EXHAUST TURBOCHARGER OF AN INTERNAL COMBUSTION ENGINE

(51) International	:F02B39/00,F01K25/02,F02B37/18	(71)Name of Applicant :
classification	· · ·	1)BORGWARNER INC.
(31) Priority Document No	:10 2010 048 142.4	Address of Applicant : Patent Department 3850 Hamlin Road
(32) Priority Date	:11/10/2010	Auburn Hills Michigan 48326 U.S.A.
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No	:PCT/US2011/055235	1)JOERGL Volker
Filing Date	:07/10/2011	
(87) International Publication No	:WO 2012/051062	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application	:NA	
Number		
Filing Date	:NA	

(57) Abstract :

The invention relates to an exhaust turbocharger (1) of an internal combustion engine (2) having a compressor (3) and having a turbine (4) which comprises a turbine housing (5) wherein the turbine housing (5) comprises an evaporator (6) to which heat deriving from the exhaust gases of the internal combustion engine (2) can be admitted for the evaporation of a working fluid and wherein the evaporator (6) is flow connected to a line arrangement (7) in which a steam turbine (8) and downstream of that a condenser (9) are arranged viewed in the direction of flow (S) of the working fluid.

No. of Pages : 8 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : PROPELLANT COMPOSITIONS AND METHODS OF MAKING AND USING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)TOTAL RAFFINAGE MARKETING Address of Applicant :24 Cours Michelet F 92800 Puteaux France</li> </ul>
(86) International Application No Filing Date	:PC1/US2011/061181 :17/11/2011	(72)Name of Inventor : 1)KELLY Kevin
(87) International Publication No	:WO 2012/068369	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

Formulated propellants and methods of forming the same are described herein including a method of manufacturing a rocket propellant comprising combining at least two hydrocarbon fluids.

No. of Pages : 33 No. of Claims : 23

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

#### MATERIAL CHARGING METHOD USING SAME (51) International classification :C21B7/20,C21B7/18 (71)Name of Applicant : **1)NIPPON STEEL & SUMITOMO METAL** (31) Priority Document No :2011121211 (32) Priority Date :31/05/2011 **CORPORATION** (33) Name of priority country Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku :Japan (86) International Application No :PCT/JP2012/003423 Tokyo 1008071 Japan Filing Date (72)Name of Inventor : :25/05/2012 (87) International Publication No :WO 2012/164889 1)NATSUI Takuva (61) Patent of Addition to Application 2)MATSUKURA Yoshinori :NA Number **3)INADA Takanobu** :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : STARTING MATERIAL CHARGING DEVICE FOR BLAST FURNACE AND STARTING

#### (57) Abstract :

A bell less type charging device comprises two furnace top bunkers (4) a first supply system which charges a starting material into the furnace top bunkers (4) and a rotary chute (8) to which the starting material discharged from the furnace top bunkers (4) is supplied via a collecting hopper (7) and which charges the starting material into a blast furnace. At least one furnace top bunker (4) comprises a level meter (10) for measuring the height of the starting material in a rat hole a specific starting material bunker (12) for storing a specific starting material a specific starting material chute (16) for charging the specific starting material discharged from the specific starting material bunker (12) to the rat hole of the furnace top bunker (4) and a flow rate adjustment valve (11) for adjusting the flow rate of the specific starting material discharged from the specific starting material bunker (12) to form a mixed layer with a uniform mixing ratio when the mixed layer is formed by charging a main starting material and a small amount of specific starting material from the furnace top bunkers (4) of the blast furnace into the furnace and improve the controllability of distribution of charges.

No. of Pages : 41 No. of Claims : 4

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : SWING BARREL TYPE POSITIVE DISPLACEMENT PUMP USING CROSS SHAFT JOINT BEARING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F04B1/16 :201010529892.6 :03/11/2010 :China :PCT/CN2011/071862 :16/03/2011 :WO 2012/058893 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>LIU Dalei</li> <li>Address of Applicant :Room 801 No 976 Guangzhoudadao</li> </ol> </li> <li>Middle District Tianhe Guangzhou Guangdong 529000 China</li> <li>2)SHAO Wanxiu</li> <li>(72)Name of Inventor : <ol> <li>LIU Dalei</li> <li>SHAO Wanxiu</li> </ol> </li> </ul>
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#### (57) Abstract :

A swing barrel type positive displacement pump using a cross shaft joint bearing includes a main shaft (1) for connecting with a motor. The upper part of the main shaft (1) is slantwise provided with a rotating barrel (2) which swings along with the rotation of the main shaft (1). The periphery of the rotating barrel (2) is evenly provided with more than three pin shafts (3). Each pin shaft (3) is sleeved with a cross shaft joint bearing (4). Each cross shaft joint bearing (4) includes a bearing (41) sleeved on the pin shaft (3). The outer ring of each bearing (41) is fixedly connected with a swing sleeve (42). Fixed shafts (421 421 ) with the same axis extend along the left and right sides of the swing sleeve (42) respectively. The fixed shafts (421 421 ) are sleeved with a left and right bearing (43 43 ) respectively. The outer rings of the left and right cross shaft swing sleeves (44 44 ) are fixedly connected with each other. The bottom ends of the left and right cross shaft swing sleeves (44 44 ) are fixedly connected with a connecting bar (5) which is hinged with a piston in a displacement chamber. The positive displacement pump has low wear low energy consumption sensitive rotation high rotation speed and long service life

No. of Pages : 11 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : CONTROL DEVICE FOR A VEHICLE DOOR LOCKING SYSTEM		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul> </li> <li>Number <ul> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul> </li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>(71)VALEO SECURITE HABITACLE <ul> <li>Address of Applicant :76 rue Auguste Perret Zone Europarc F</li> </ul> </li> <li>94046 Crteil France <ul> <li>(72)Name of Inventor :</li> <li>1)ROBERT Johann</li> </ul> </li> </ul>

(57) Abstract :

The present invention relates to a device for controlling the locking of a vehicle door comprising: first and second locking control elements (6) which can move between first and second control positions and means for driving the control elements (6) between the first and second control positions thereof. The second control element (7) comprises a coupling member (10) that can also move between: a first coupling position in which the coupling member kinematically interconnects the second control element (7) and a bearing member (5) of the driving means; and a second coupling position in which the coupling member authorises the first element (6) to be driven by the bearing member (5). The invention also comprises return means for returning the coupling member (10). The invention is suitable for motor vehicles.

No. of Pages : 37 No. of Claims : 15

(21) Application No.3747/DELNP/2013 A

(19) INDIA(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

(51) International classification	:G09F9/00,G09G3/20	(71)Name of Applicant :
(31) Priority Document No	:61/407449	1)SAMSUNG ELECTRONICS CO. LTD.
(32) Priority Date	:28/10/2010	Address of Applicant :129 Samsung ro Yeongtong gu Suwon
(33) Name of priority country	:U.S.A.	si Gyeonggi do 443 742 Republic of Korea
(86) International Application No	:PCT/KR2011/007347	(72)Name of Inventor :
Filing Date	:05/10/2011	1)LEE Joo Yeon
(87) International Publication No	:WO 2012/057457	2)LEE Sang Chul
(61) Patent of Addition to Application	:NA	3)LEE Jong Seo
Number		4)KIM Se Yong
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		1

#### (54) Title of the invention : DISPLAY MODULE AND DISPLAY SYSTEM

(57) Abstract :

Disclosed is a display module including a transparent display panel and a frame to fix a side of the transparent display panel wherein the frame has a communication unit to receive data from the outside a controller to process the received data and to output a drive command corresponding to the processed data and a display drive unit to drive the transparent display panel in response to the drive command from the controller. A display system includes a system body and a display module detachably mounted in the system body.

No. of Pages : 106 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C23C16/455 :12/148,885 :22/04/2008	(71)Name of Applicant : 1)PICOSUN OY Address of Applicant :TIETOTIE 3, FI-02150 ESPOO,
<ul> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:15/04/2009	FINLAND (72)Name of Inventor : 1)LINDFORS, SVEN
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:WO 2009/130375 :NA :NA	2)SOININEN, PEKKA J.
(62) Divisional to Application Number Filed on	:7487/DELNP/2010 :22/10/2010	

(54) Title of the invention : APPARATUS AND METHODS FOR DEPOSITION REACTORS

(57) Abstract :

An apparatus, such as an ALD (Atomic Layer Deposition) apparatus, including a precursor source configured for depositing material on a heated substrate in a deposition reactor by sequential self-saturating surface reactions. The apparatus includes an in-feed line for feeding precursor vapor from the precursor source to a reaction chamber and a structure configured for utilizing heat from a reaction chamber heater for preventing condensation of precursor vapor into liquid or solid phase between the precursor source and the reaction chamber. Pulsing valves, a precursor source, precursor cartridges and methods are also presented.

No. of Pages : 65 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SYSTEM AND METHOD TO DETECT AND COMMUNICATE LOSS AND RETENTION OF SYNCHRONIZATION IN A REAL TIME DATA TRANSFER SCHEME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:H04L1/00,H04J3/06 :61/394070 :18/10/2010 :U.S.A. :PCT/EP2011/068204 :18/10/2011 :WO 2012/052450 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>ST ERICSSON SA</li> <li>Address of Applicant :Chemin du Champ des Filles 39 CH</li> </ol> </li> <li>1228 Plan les ouates Switzerland</li> <li>(72)Name of Inventor : <ol> <li>BALAKRISHNAN Bipin</li> <li>RADULESCU Andrei</li> </ol> </li> </ul>
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#### (57) Abstract :

A system and method are described for correcting for a loss of message boundary in a real time data transmission over an interconnect between a source node and a destination node in an apparatus. In the apparatus a destination node received one or more messages wherein each message includes one or more data frames and each data frame of each message includes an end of message flag and a message sequence number the end of message flag set when the data frame is the last data frame in a particular message and the message sequence number is different for different messages. A loss of message boundary is determined for a previous message when a new data frame of a new message is received and the new message sequence number of the new data frame is different from the previous message sequence number and a last received data frame did not include a set end of message flag. To establish re synchronization the destination node transmits a synchronization loss message to the source node and the destination node receives in reply a status report message and the destination node can regain synchronization of the last received message data such that a previous message boundary can be determined according to the status report message.

No. of Pages : 55 No. of Claims : 28

(21) Application No.3750/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:1019228.4 :15/11/2010 :U.K. :PCT/SG2011/000395 :08/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)TEMASEK POLYTECHNIC Address of Applicant :21 Tampines Avenue 1 Singapore</li> <li>529757 Singapore</li> <li>(72)Name of Inventor :</li> <li>1)BLUCHEL Christian Gert</li> <li>2)LIN Lintong</li> </ul>
(87) International Publication No (61) Patent of Addition to Application	:WO 2012/067585	2)LIN Liutong
Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (54) Title of the invention : DIALYSIS DEVICE AND METHOD OF DIALYSIS

(57) Abstract :

A dialysis device is provided comprising a disposable housing having a dialysate flow path along which dialysate received from a patient is subjected to contaminant removal when in operation wherein said disposable housing comprises a storage chamber in fluid communication with the dialysate flow path for storing the dialysate therein; a controller for controlling the operation of said disposable housing; an interface means capable of operably coupling the controller and the disposable housing to enable the contaminant removal from the dialysate and a fluid displacement means configured to move the dialysate along the dialysate flow path wherein said fluid displacement means comprises a deformable diaphragm integrally formed with at least one wall of said storage chamber wherein the flow path is fluidly sealed from the controller and interface means. A method of dialysis a dialysis system and kits are also provided.

No. of Pages : 103 No. of Claims : 61

(21) Application No.3752/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

(51) International classification	:B60T8/36	(71)Name of Applicant :
(31) Priority Document No	:2010254803	1)Robert Bosch GmbH
(32) Priority Date	:15/11/2010	Address of Applicant : Patentabteilung Postfach 30 02 20
(33) Name of priority country	:Japan	Stuttgart 70442 Germany
(86) International Application No	:PCT/JP2011/076465	(72)Name of Inventor :
Filing Date	:10/11/2011	1)SAKAMOTO Takanori
(87) International Publication No	:WO 2012/067168	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) 11		l de la constante de la consta

#### (54) Title of the invention : BRAKING LIQUID PRESSURE CONTROL DEVICE

(57) Abstract :

Provided is a braking liquid pressure control device which can decrease the number of places where a hydraulic unit is supported on a bracket and at the same time can suppress undesired vibrations. A braking liquid pressure control device 70 which includes a hydraulic unit 10 and a bracket 41 on which a first support part 42 and a second support part 43 are mounted wherein the bracket 41 includes a first plate part 41a on which the first support part 42 is mounted a second plate part 41b which is formed approximately perpendicular to the first plate part 41a and has a first fixing part 41g for fixing the bracket 41 to the vehicle body 60 and on which the second support part 43 is mounted and a third plate part 41c which is formed by bending with respect to the first plate part 41a and has a second fixing part 41f for fixing the bracket 41 to the vehicle body 61 and the first fixing part 41g the second fixing part 41f and the center of gravity G of the hydraulic unit 10 are positioned approximately on one straight line L.

No. of Pages : 36 No. of Claims : 8

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD ARRANGEMENT AND PELLETISING PLANT

(32) Priority Date:26/10/2010A(33) Name of priority country:Sweden(72)(86) International Application:PCT/SE2011/0512731)	1)LUOSSAVAARA KIIRUNAVAARA AB Address of Applicant :Box 952 S 971 28 Lule Sweden (2)Name of Inventor : 1)FREDRIKSSON Christian 2)SAVONEN Stefan
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#### (57) Abstract :

This invention concerns a method for the heating of a medium in a compartment 1 in which pellets 2 are arranged to be oxidised and sintered with the aid of the hot medium. The method comprises the introduction of a first medium 3 into the compartment 1 through an inlet 4 and the heating of the first medium 3 when it is present in the inlet 4. The heating takes place through the use of a combustion arrangement 5 or a part of such an arrangement that is arranged in the inlet 4 and that comprises fuel. The heating the use of the combustion heat to the first medium 3 that is present at the combustion arrangement 5 in the inlet 4. The combustion arrangement 5 or a part of it is arranged in a region A in the inlet 4 which in turn is arranged outside of the direct passage of the first medium in and through the inlet 4 such that the ignition of the fuel the combustion of the fuel and the transfer of combustion heat to the first medium 3 that is present at the combustion arrangement 5 in the inlet 4. The combustion arrangement 5 or a part of it is arranged in a region A in the inlet 4 which in turn is arranged outside of the direct passage of the first medium in and through the inlet 4 such that the ignition of the fuel the combustion of the fuel and the transfer of combustion heat to the first medium 3 transport of the heated first medium 3 from the region A into the compartment 1 through the inlet 4. The invention concerns also an arrangement 7 and a pelletising plant 10.

No. of Pages : 15 No. of Claims : 22

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD ARRANGEMENT AND PELLETISING PLANT

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C22B1/20,C22B1/16,C22B1/212 :10511129 :26/10/2010 :Sweden :PCT/SE2011/051275 :26/10/2011 :WO 2012/057687 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LUOSSAVAARA KIIRUNAVAARA AB Address of Applicant :Box 952 S 971 28 Lule Sweden</li> <li>(72)Name of Inventor :</li> <li>1)FREDRIKSSON Christian</li> <li>2)SAVONEN Stefan</li> </ul>
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application	:26/10/2011 :WO 2012/057687 :NA :NA	2)SAVONEN Stefan

#### (57) Abstract :

This invention concerns a method for the oxidation and sintering of pellets 1 arranged in a compartment 2 in which the oxidation and sintering take place with the aid of a medium with a defined temperature which medium heats the pellets 1. The method comprises the introduction of a first medium 3 into the compartment through an inlet 4 connected to the compartment 2 and the heating of the medium in the inlet through the use of a combustion arrangement 5 or a part of a combustion arrangement arranged in the inlet 4 and comprising fuel where the use of the combustion arrangement 5 comprises the ignition of the fuel the combustion of the fuel whereby combustion heat is developed and the transfer of combustion heat to the first medium 3 that is present at the combustion arrangement 5. The method is characterised by the arrangement of the combustion arrangement 5 or a part of it in a region A in the inlet 4 that in turn is arranged outside of the direct passage of the first medium in and through the inlet 4 such that the ignition of the fuel the combustion of a second medium 6 into the region A in the direct vicinity of the combustion arrangement 5 or a part of it where the ignition of the fuel the transfer of combustion heat also to the second medium 6 take place followed by further transport of the heated first medium 3 and the heated second medium 6 through the inlet 4 and into the compartment 2. The invention concerns also an arrangement 9 and a pelletising plant 13.

No. of Pages : 19 No. of Claims : 22

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD ARRANGEMENT AND PELLETISING PLANT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number</li> </ul>	:PCT/SE2011/051274 :26/10/2011 :WO 2012/057686 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LUOSSAVAARA KIIRUNAVAARA AB Address of Applicant :Box 952 S 971 28 Lule Sweden</li> <li>(72)Name of Inventor :</li> <li>1)FREDRIKSSON Christian</li> <li>2)SAVONEN Stefan</li> </ul>
Filing Date	:NA	

#### (57) Abstract :

This invention concerns a method during the oxidation and sintering of pellets (1) arranged in a compartment (2) in which the sintering takes place with the aid of a medium with a high temperature which medium heats the pellets (1). The method comprises the introduction of a first medium (3) into the compartment (2) through an inlet (4) connected to the compartment (2) and the heating of the first medium (3) in the inlet (4) through the use of a combustion arrangement (5) or a part of a combustion arrangement arranged in the inlet (4) and comprising fuel. The use of the combustion arrangement (5) comprises the ignition of the fuel combustion of the fuel whereby combustion heat is developed and the transfer of the combustion heat to the first medium (3) that is present at the combustion arrangement (5). The method is characterised by the introduction of a second medium (6) into the inlet (4) through an intake (7) in the direct vicinity of the combustion arrangement (5) the combustion arrangement part where the ignition of the fuel and the combustion of the fuel take place for the transfer of combustion heat also to the second medium (6) that is present at the combustion arrangement (5) and the mixing of the heated first medium (3) and the heated second medium (6) before or during their introduction into the compartment (2). The invention concerns also an arrangement and a pelletising plant.

No. of Pages : 18 No. of Claims : 23

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : NOVEL SYSTEMS AND METHODS FOR NON DESTRUCTIVE INSPECTION OF AIRPLANES

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> </ul>	:B64F5/00,G01M99/00,B64F1/36 :61/387976 :29/09/2010 :U.S.A. :PCT/US2011/053190 :26/09/2011 :WO 2012/050803	<ul> <li>(71)Name of Applicant : <ol> <li>Adress of Applicant :2711 Centerville Rd. Suite 400</li> </ol> </li> <li>Wilmington Delaware 19808 U.S.A.</li> <li>(72)Name of Inventor : <ol> <li>FROOM Douglas A.</li> <li>MANAK William T.</li> </ol> </li> </ul>
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application	:WO 2012/050803 :NA :NA	
Number Filing Date	:NA	

(57) Abstract :

A method for managing an airplane fleet is described. The method includes: (i) developing a gold body database for an airplane model for each non destructive inspection system implemented to detect defects; (ii) inspecting over a period of time a plurality of candidate airplanes of the airplane model using different types of non destructive inspection systems and the gold body database associated with each of the different types of non destructive inspection systems to identify defects present on the plurality of candidate airplanes; (iii) repairing or monitoring defects detected on the plurality of candidate airplanes; (iv) conducting a trend analysis by analyzing collective defect data obtained from inspecting of plurality of candidate airplanes; and (v) maintaining the airplane fleet which includes plurality of candidate airplanes by performing predictive analysis using results of trend analysis.

No. of Pages : 68 No. of Claims : 64

(19) INDIA

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : DE MANNOSYLATION OF PHOSPHORYLATED N GLYCANS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:61/387924 :29/09/2010	<ul> <li>(71)Name of Applicant : <ol> <li>OXYRANE UK LIMITED</li> <li>Address of Applicant :Greenheys House Manchester Science</li> </ol> </li> <li>Park 10 Pencroft Way Manchester M15 6JJ U.K. <ol> <li>VIB VZW</li> <li>UNIVERSITEIT GENT</li> </ol> </li> <li>(72)Name of Inventor : <ol> <li>PIENS Kathleen Camilla Telesphore Alida Maria</li> <li>VERVECKEN Wouter</li> </ol> </li> </ul>
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(57) Abstract :

Methods for demannosylating phosphorylated N glycans on a glycoprotein are described that use a mannosidase capable of hydrolyzing a terminal alpha 1 2 mannose linkage when the underlying mannose is phosphorylated.

No. of Pages : 85 No. of Claims : 57

(19) INDIA

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:B01D63/08,B01D61/36 :10 2010 048 160.2 :11/10/2010 :Germany :PCT/EP2011/004726 :21/09/2011 :WO 2012/048788	<ul> <li>(71)Name of Applicant :</li> <li>1)AAA WATER TECHNOLOGIES AG Address of Applicant :c/o 4S Treuhand AG Hinterbergstrasse</li> <li>18 CH 6330 Cham Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)HEINZL Wolfgang</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (54) Title of the invention : MULTISTAGE MEMBRANE DISTILLATION DEVICE

(57) Abstract :

The invention relates to a multistage membrane distillation device comprising a heating stage (28) preferably multiple condensing/evaporating stages (12) and a condensing stage (36) through which a liquid to be concentrated is passed in succession. Each condensing/evaporating stage comprises at least one condensing unit (K) and at least one evaporating unit (V). Each condensing unit comprises a first steam chamber that is delimited at least partly by a condensation wall (16) and each evaporating unit comprises a second steam chamber that is delimited at least partly by a steam permeable liquid tight membrane wall (20). At least one flow channel which is formed between such a condensing unit K and such an evaporating unit V that adjoins said condensing unit and which conducts the liquid to be concentrated is provided in each condensing/evaporating stage so that the liquid to be concentrated is heated by means of the condensation wall and the steam that is generated from the liquid to be concentrated reaches the second steam chamber through the membrane wall. The steam that is produced in a respective preceding stage is conducted into a condensing unit of the immediately following stage via a steam channel which exclusively conducts said steam and which exclusively further conducts said steam to the immediately following stage.

No. of Pages : 42 No. of Claims : 14

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : STEAM POWER PLANT WITH A GROUND HEAT EXCHANGER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application Not Filing Date</li> <li>(87) International Publication Not</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application</li> <li>Number Filing Date</li> </ul>	:30/09/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)ALSTOM TECHNOLOGY LTD Address of Applicant :Brown Boveri Strae 7 / 664 / 2 CH 5401 Baden Switzerland </li> <li>(72)Name of Inventor : 1)SCHUELE Volker 2)VELM Silvia</li></ul>
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(57) Abstract :

A Steam power plant comprising a steam turbine (3) and a condenser (5) wherein the condenser (5) is disclosed comprising a first heat sink being a ground heat exchanger (29) is connected to the condenser during times when ground temperature is lower than air temperature; and a second heat sink being an above ground heat exchanger is connected to the condenser during times when ground temperature is not lower than air temperature.

No. of Pages : 19 No. of Claims : 7

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : PREVENTING UNINTENDED LOSS OF TRANSACTIONAL DATA IN HARDWARE TRANSACTIONAL MEMORY SYSTEMS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> </ul>	:G06F9/52,G06F9/38,G06F12/08 :12/946743 :15/11/2010 :U.S.A. :PCT/US2011/059872 :09/11/2011 o:WO 2012/067904 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ADVANCED MICRO DEVICES INC. Address of Applicant :One Amd Place Sunnyvale CA 94085</li> <li>3905 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)CHUNG Jaewoong</li> <li>2)CHRISTIE David S.</li> <li>3)HOHMUTH Michael P.</li> <li>4)DIESTELHORST Stephan</li> <li>5)POHLACK Martin T.</li> <li>6)YEN Luke</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A method and apparatus are disclosed for implementing early release of speculatively read data in a hardware transactional memory system. A processing core comprises a hardware transactional memory system configured to receive an early release indication for a specified word of a group of words in a read set of an active transaction. The early release indication comprises a request to remove the specified word from the read set. In response to the early release request the processing core removes the group of words from the read set only after determining that no word in the group other than the specified word has been speculatively read during the active transaction.

No. of Pages : 34 No. of Claims : 15

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHODS FOR THE DEVELOPMENT OF METZINCIN SELECTIVE CATALYTIC CLEFT DIRECTED ANTIBODIES FOR THERAPEUTIC AND DIAGNOSTIC APPLICATIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(2) Distinguished Application Negative</li> </ul>	:61/389176 :01/10/2010 :U.S.A. :PCT/IB2011/002860 :01/10/2011 :WO 2012/042391 :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>RAHMAN Salman</li> <li>Address of Applicant :C/o 108 Queens Road London SW19</li> </ol> </li> <li>8LS U.K. <ol> <li>PATEL Yatin</li> </ol> </li> <li>(72)Name of Inventor : <ol> <li>RAHMAN Salman</li> </ol> </li> <li>PATEL Yatin</li> </ul>
	:NA :NA :NA	

#### (57) Abstract :

In some aspects general methods to develop highly selective inhibitory antibodies towards members of the metzincin superfamily of metalloproteases and their application for therapeutic and diagnostic uses are provided. The methods employ the generation of novel catalytic cleft directed antibodies with neutralising selectivity for the targeted metzincin metalloendoproteinase employing immunogenic peptides encompassing the consensus metzincin catalytic motif. In some aspects methods include the employment of such antibodies for therapeutic purposes and/or as an inhibitory component of an assay system allowing discrimination between the activity of the targeted metzincin and other endogenous metzincins within a biological sample. Such assays may be employed for diagnostic or prognostic purposes.

No. of Pages : 41 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:F02M59/10,F04B1/04 :10 2010 043 512.0 :05/11/2010 :Germany :PCT/EP2011/068097 :17/10/2011 :WO 2012/059315	<ul> <li>(71)Name of Applicant :</li> <li>1)ROBERT BOSCH GMBH Address of Applicant :Postfach 30 02 20 70442 Stuttgart Germany</li> <li>(72)Name of Inventor :</li> <li>1)GREINER Matthias</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (54) Title of the invention : PUMP IN PARTICULAR HIGH PRESSURE FUEL PUMP

(57) Abstract :

The pump has at least one pump element (18) having a pump piston (20) which is guided in a cylinder bore (22) of a housing part (24) and is driven indirectly by a drive shaft (14) in a reciprocating movement. The pump piston (20) is supported on the drive shaft (14) via a supporting element (42) and a roller (46) which is mounted rotatably in the supporting element (42) wherein the supporting element (42) is guided at least indirectly in the direction of the reciprocating movement of the pump piston (20). The supporting element (42) and the pump piston (20) are loaded towards the drive shaft (14) by a spring (50) wherein at its end which faces the drive shaft (14) the spring (50) is connected to the supporting element (42) such that it cannot be rotated about its longitudinal axis (21) and at its end which faces away from the drive shaft (14) is connected to a housing part (24) such that it cannot be rotated about its longitudinal axis (21). The pump piston (20) is connected fixedly to the supporting element (42) and the supporting element (42) is guided only via the pump piston (20) in the direction of the reciprocating movement of the pump piston (20).

No. of Pages : 14 No. of Claims : 9

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : MANNOSIDASES CAPABLE OF UNCAPPING MANNOSE 1 PHOSPHO 6 MANNOSE LINKAGES AND DEMANNOSYLATING PHOSPHORYLATED N GLYCANS AND METHODS OF FACILITATING MAMMALIAN CELLULAR UPTAKE OF GLYCOPROTEINS

<ul> <li>classification</li> <li>(31) Priority Document No :61</li> <li>(32) Priority Date :29</li> <li>(33) Name of priority country :U</li> <li>(86) International Application :PO</li> <li>(87) International Publication :W</li> <li>(61) Patent of Addition to Application Number :N.</li> <li>Filing Date :N.</li> <li>(62) Divisional to Application :N</li> </ul>	J.S.A. PCT/IB2011/002770 19/09/2011 WO 2012/042386 JA JA	<ul> <li>(71)Name of Applicant :</li> <li>1)OXYRANE UK LIMITED Address of Applicant :Greenheys House Manchester Science</li> <li>Park 10 Pencroft Way Manchester M15 6JJ U.K.</li> <li>(72)Name of Inventor :</li> <li>1)PYNAERT Gwenda Noella</li> <li>2)PIENS Kathleen Camilla Telesphore Alida Maria</li> <li>3)VALEVSKA Albena Vergilieva</li> <li>4)VERVECKEN Wouter</li> </ul>
Number :N. Filing Date :N.		

(57) Abstract :

The invention provides mannosidases capable of uncapping mannose l phospho 6 mannose moieties and demannosylating phosphorylated N glycans methods of using such mannosidases glycoproteins produced using the methods as well as methods of facilitating mammalian cellular uptake of glycoproteins.

No. of Pages : 132 No. of Claims : 53

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : POWDERED CEREAL COMPOSITIONS COMPRISING NON REPLICATING PROBIOTIC MICROORGANISMS

(57) Abstract :

The present invention relates to the field of powdered cereal compositions to be reconstituted in milk infant formula or water. In particular the present invention relates to powdered cereal compositions to be administered to infants or young children. The powdered cereal compositions may be used to strengthen the immune system and/or to treat or prevent inflammatory disorders. For example these benefits can be provided by probiotic micro organisms. An embodiment of the present invention relates to a powdered cereal composition comprising non replicating probiotic micro organisms for example bioactive heat treated probiotic micro organisms.

No. of Pages : 49 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : TECHNIQUES FOR CAPTURING DATA SETS

(57) Abstract :

Techniques including systems and methods for capturing data sets include performing a client side two phase commit to ensure one or more data consistency conditions. A logical volume may represent a data set that is distributed among a plurality of physical storage devices. One or more client devices are instructed to block at least acknowledgment of write operations. When the one or more client devices have blocked at least acknowledgment of write operations one or more servers in communication with the physical storage devices are instructed to capture corresponding portions of the data set. When the servers have been instructed to capture corresponding portions of the data set instructed to resume at least acknowledgment of write operations.

No. of Pages : 43 No. of Claims : 13

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : HOT ROLLED STEEL SHEET COLD ROLLED STEEL SHEET AND PLATED STEEL SHEET EACH HAVING EXELLENT UNIFORM DUCTILITY AND LOCAL DUCTILITY IN HIGH SPEED DEFORMATION

<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>		1)NIPPON STEEL & SUMITOMO METAL CORPORATION
(33) Name of priority country	:NA	Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:PCT/JP2010/068258 :18/10/2010 :WO 2012/053044	Tokyo 1008071 Japan (72)Name of Inventor : 1)KAWANO Kaori 2)TANAKA Yasuaki 3)TOMIDA Toshiro
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:NA :NA	
Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a hot rolled steel sheet a cold rolled steel sheet and a plated steel sheet which show excellent uniform ductility and local ductility when deformed at a high speed. A two phase hot rolled steel sheet according to one embodiment of the invention has a metallographic structure comprising a primary phase constituted of ferrite having an average grain diameter of  $3.0 \,\mu\text{m}$  or less and a secondary phase comprising at least one of martensite bainite and austenite. In a surface layer part of the steel sheet the secondary phase has an average grain diameter of  $2.0 \,\mu\text{m}$  or less the difference (nH) between the average nanohardness of the primary phase (nH) and the average nanohardness of the secondary phase (nH) is  $6.0 \, 10.0 \,\text{GPa}$  and the difference (snH) between the standard deviation of the steel sheet the difference (nH) in average nanohardness is  $1.5 \,\text{GPa}$  or less. In a central part of the steel sheet the difference (nH) in average nanohardness is  $3.5 \, 6.0 \,\text{GPa}$  and the difference (snH) in the standard deviation of nanohardness is  $1.5 \,\text{GPa}$  or more.

No. of Pages : 31 No. of Claims : 9

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : ANALYTICAL METHODS AND ARRAYS FOR USE IN THE IDENTIFICATION OF AGENTS INDUCING SENSITIZATION IN HUMAN SKIN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:C12Q1/68 :1018014.9 :26/10/2010 :U.K. :PCT/GB2011/052082 :26/10/2011 :WO 2012/056236 :NA :NA	<ul> <li>(72)Name of Inventor :</li> <li>1)LINDSTEDT Malin</li> <li>2)BORREBAECK Carl A K</li> <li>3)JOHANSSON Henrik</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	4)ALBREKT Ann Sofie

(57) Abstract :

The present invention relates to an in vitro method for identifying agents capable of inducing sensitization of human skin and arrays and diagnostic kits for use in such methods. In particular the methods include measurement of the expression of the biomarkers listed in Table 3A and/or 3B in MUTZ 3 cells exposed to a test agent.

No. of Pages : 66 No. of Claims : 81

(21) Application No.3708/DELNP/2013 A

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : ADSORPTION STRUCTURE ADSORPTION MODULE AND METHOD FOR PRODUCING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication N</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:2010242967 :29/10/2010 :Japan :PCT/JP2011/005916 :24/10/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)HITACHI LTD.</li> <li>Address of Applicant :6 6 Marunouchi 1 chome Chiyoda ku</li> <li>Tokyo 1008280 Japan</li> <li>(72)Name of Inventor :</li> <li>1)USHIFUSA Nobuyuki</li> <li>2)NAKANO Keiko</li> <li>3)YAMADA Yasuko</li> </ul>
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(57) Abstract :

In water treatment plants there is a problem where organic matter dissolved in water adsorbs onto the surface of a reverse osmosis membrane used in high performance treatment thus causing membrane performance to deteriorate and necessitating frequent replacement of the reverse osmosis membrane module. In order to solve this problem an adsorption structure is provided that adsorbs organic matter in treated water wherein the adsorption structure comprises an outer wall a plurality of flow paths provided on the inner side of the outer wall and partition walls for partitioning the plurality of flow paths. The adsorption structure is characterized in that the partition walls are smaller than the diameter of the flow path and have communication holes through which the flow path and other flow paths communicate and an adsorptive material to which the organic matter adsorbs. As a result the organic matter in water to be treated can be selectively removed and the replacement frequency of a reverse osmosis membrane can be reduced.

No. of Pages : 35 No. of Claims : 25

(22) Date of filing of Application :30/04/2013

#### (43) Publication Date : 21/11/2014

## (54) Title of the invention : SYSTEM AND METHOD FOR ELECTROSURGICAL CONDUCTIVE GAS CUTTING FOR IMPROVING ESCHAR SEALING VESSELS AND TISSUES

#### (57) Abstract :

An electrosurgical method and device for simultaneously cutting and coagulating tissue with an electrosurgical device having an electrode and a channel wherein said channel has a port near a proximal end of said electrode wherein the method comprises the steps of causing an inert gas to flow through said channel and exit said port applying high frequency energy to said electrode while said inert gas flows through said channel wherein said high frequency energy applied to said electrode continuously plasmatizes inert gas exiting said port initiating an electrical discharge from said electrode through said continuously plasmatized inert gas with said electrode maintaining said electrical discharge from said electrode through said plasmatized inert gas while cutting tissue with said electrode to cause coagulation of said tissue simultaneously with said cutting.

No. of Pages : 85 No. of Claims : 20

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD FOR SEPARATING LIQUID FROM SUSPENDED MATTER IN A SLUDGE AND DEVICE FOR SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C02F1/54,C02F11/14 :10/04284 :29/10/2010 :France :PCT/FR2011/000582 :28/10/2011 :WO 2012/056128 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)OREGE <ul> <li>Address of Applicant :Societe anonyme directoire et conseil</li> <li>de surveillance 1 rue Pierre Vaudenay F 78350 Jouy en Josas</li> </ul> </li> <li>France <ul> <li>(72)Name of Inventor :</li> <li>1)CAPEAU Patrice</li> <li>2)LOPEZ Michel</li> <li>3)GENDROT Pascal</li> </ul> </li> </ul>
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(57) Abstract :

The invention relates to a method for separating the liquid part from the suspended matter in a sludge supplied in a continuous flow at a flow rate of QEB = V/hour. The flow is divided into at least two partial flows which are sprayed on top of one another into a sealed chamber of volume v < V/20 simultaneously injecting air therein at a flow rate d said chamber being kept under overpressure conditions. The suspended matter of the thus treated flow is then left to decant in a collection container with the cake or solid part falling to the bottom and separating from the liquid part which is continuously discharged.

No. of Pages : 31 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD AND DEVICE FOR FEEDING BACK DOWNLINK CHANNEL FEEDBACK INFORMATION AND METHOD AND DEVICE FOR USER MATCHING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04L1/16 :201010544399.1 :05/11/2010 :China :PCT/CN2011/081111 :21/10/2011 :WO 2012/059009 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SONY CORPORATION <ul> <li>Address of Applicant :1 7 1 Konan Minato ku Tokyo 108 0075</li> </ul> </li> <li>Japan <ul> <li>(72)Name of Inventor :</li> <li>1)CUI Qimei</li> <li>2)LI Shiyuan</li> <li>3)TAO Xiaofeng</li> <li>4)WANG Chao</li> </ul> </li> </ul>
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#### (57) Abstract :

Disclosed are a method and device for feeding back downlink channel feedback information and a method and device for user matching. The method for feeding back downlink channel feedback information includes: calculating the multi user channel quality indication error of a user which error is used to reflect the difference in channel quality indication between the situation of multi user multiple input multiple output transmission and the situation of single user multiple input multiple output transmission; adding the multi user channel quality indication error into the downlink channel feedback information which includes pre coding matrix indication and channel quality indication and feeding the same back to a base station for scheduling. Therefore the bit error rate of demodulation in the MIMO system can be reduced and the system performance can be improved.

No. of Pages : 43 No. of Claims : 20

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : CODING METHOD AND IMAGE CODING DEVICE FOR THE COMPRESSION OF AN IMAGE SEQUENCE

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:11155011.7 :18/02/2011 :EPO	<ul> <li>(71)Name of Applicant :</li> <li>1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant :Wittelsbacherplatz 2 80333 M<sup>1</sup>/<sub>4</sub>nchen Germany</li> <li>(72)Name of Inventor :</li> <li>1)WEINLICH Andreas</li> <li>2)AMON Peter</li> <li>3)HUTTER Andreas</li> <li>4)KAUP Andr</li> </ul>
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#### (57) Abstract :

A coding method (100, 300, 500) for the compression of an image sequence (IS) is described. This coding method (100, 300, 500) involves firstly determining a dense motion vector field ( $V\tilde{z}$ ) for a current image region (I) of the image sequence (IS) by comparison with at least one further image region (I\_i) of the image sequence (IS). Furthermore, a confidence vector field (K) is determined for the current image region (I), said confidence vector field specifying at least one confidence value for each motion vector of the motion vector field ( $V\tilde{z}$ ). On the basis of the motion vector field ( $V\tilde{z}$ ) and the confidence vector field (K), motion vector field reconstruction parameters (FP, c, B) are then determined for the current image region (I). Furthermore, a decoding method (200, 400) for decoding image data of an image sequence (IS) which were coded by such a coding method (100, 300, 500) is described. Moreover, a description is given of an image coding device (1, ) for the compression of an image sequence (IS), an image decoding device (20, 20), with which such methods can be carried out, and a System for transmitting and/or storing an image sequence (IS) comprising such an image coding device (1, ) and such an image decoding device (20, 20)

No. of Pages : 70 No. of Claims : 16

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : HIGH EFFICIENCY PROPELLER BLADE WITH INCREASED PRESSURE SIDE SURFACE

(51) International classification :B63H1/26,B64C11/18,F04D29/38		(71)Name of Applicant :
(31) Priority Document No	:2010/08900	1)KUCUK Osman
(32) Priority Date	:27/10/2010	Address of Applicant : Yavuz Sultan Mh. Hurriyet Cd.
(33) Name of priority country	:Turkey	No:335/A Derince 41700 Kocaeli Turkey
(86) International Application	:PCT/TR2011/000233	(72)Name of Inventor :
No		1)KUCUK Osman
Filing Date	:17/10/2011	
(87) International Publication	:WO 2012/057717	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Said invention is related to a propeller used in aircraft/sea vessels pumping systems wind and hydraulic turbines and to propeller blades (13) which are distributed around propeller (10) hub (11) and positioned so as to set an angle with the axis (x) of propeller hub (11) to a concave curvilinear contact surface (13.3) formed on the suction side (a) of said blades (13) that push water and to a convex outlet surface (13.4) which follows this concave surface (13.3) and is shorter than said concave surface (13.3).

No. of Pages : 13 No. of Claims : 4

(21) Application No.3709/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : AN ENGINE USABLE AS A POWER SOURCE OR PUMP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication</li> </ul>	:PCT/NZ2011/000205 :30/09/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)TGGMC LIMITED Address of Applicant :c/ Evan Taylor Limited 1st Floor 192 Papanui Road Christchurch 8014 New Zealand (72)Name of Inventor : 1)WHITE William Llewis </li> </ul>
No	:WO 2012/044185	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An engine which includes a rotor mounted relative to an output shaft the rotor having one or more piston cylinder assembly s disposed in or on the rotor. The longitudinal axis/axes of the one or more piston cylinder assembly s is orientated to be tangential to a peripheral rim of the rotor. The rotor or output shaft has a lobed cam which rotates at the same greater or slower speed than the rotor and in which via compression and combustion each piston rotates the rotor continuously relative to a stationary part of the engine.

No. of Pages : 17 No. of Claims : 14

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : COMPOSITIONS COMPRISING MULTIVALENT SYNTHETIC LIGANDS OF SURFACE NUCLEOLIN AND GLYCOSAMINOGLYCANS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K38/00,A61K38/02,A61K38/10 :61/389519 :04/10/2010 :U.S.A. :PCT/EP2011/067337 :04/10/2011 :WO 2012/045750 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CENTRE NATIONAL DE LA RECHERCHE</li> <li>SCIENTIFIQUE (CNRS) <ul> <li>Address of Applicant :3 rue Michel Ange F 75016 Paris</li> </ul> </li> <li>France <ul> <li>2)ELRO PHARMA</li> <li>3)UNIVERSITE PARIS 12 VAL DE MARNE</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)ZIMMER Robert</li> <li>2)COURTY Jos</li> </ul> </li> </ul>
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(57) Abstract :

The present invention relates to a composition comprising a Nucant multivalent synthetic compound and a glycosaminoglycan the admixture of both compounds forming microspheres comprising both compounds as well as their use for the treatment or prevention of diseases associated to deregulation of proliferation and/or angiogenesis such as cancer inflammatory disease or for promoting wound healing

No. of Pages : 117 No. of Claims : 19

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : HEIGHT ADJUSTABLE RESTING DEVICE FOR AN INTERNAL SHELF OF AN ELECTRIC HOUSEHOLD APPLIANCE

(51) International classification	:A47B57/20,F25D25/02	(71)Name of Applicant :
(31) Priority Document No	:TO2010A000923	1)ILLINOIS TOOL WORKS INC.
(32) Priority Date	:22/11/2010	Address of Applicant :3600 West Lake Avenue Glenview
(33) Name of priority country	:Italy	Illinois 60026 U.S.A.
(86) International Application No	:PCT/US2011/061655	(72)Name of Inventor :
Filing Date	:21/11/2011	1)BASSI Alberto
(87) International Publication No	:WO 2012/071328	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A height adjustable resting device (10) including a first plate (11) fixable in use against a wall of an electric household appliance; a the second plate (12) having a resting guide (6) slidingly carried along longitudinal edges (13 14) vertical to the first; a slider (22) sliding on a first face (15) of the first plate facing an opposite second face (18) of the second plate (12) transversally to the longitudinal edges (13 14) integrally provided with a pin (23) which overhangingly protrudes from the first face; a channel shaped track (25) on the second face (18) slidingly engaged by the pin (23) and having two branches (26 27) parallel to the longitudinal edges (13 14) having on an upper edge (28) a plurality of recesses (30) adapted to engage the pin resting thereon and for each recess (30) at least one pair of abutting surfaces (31 32) obtained on a lower edge (29) to guide the pin (23) from a recess (30) to the next as a consequence of a vertical movement of the second plate (12).

No. of Pages : 26 No. of Claims : 9

(21) Application No.3795/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : RECEIVER GAIN ADJUSTMENT TO REDUCING AN INFLUENCE OF A DC OFFSET

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:H04B1/30,H03G3/00 :NA :NA :NA :PCT/EP2010/068567 :30/11/2010 :WO 2012/072122 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant :S 164 83 Stockholm Sweden</li> <li>(72)Name of Inventor :</li> <li>1)BACHL Rainer</li> <li>2)REINHARDT Steffen</li> </ul>
Filing Date	:NA	

(57) Abstract :

The invention refers to generating a digital signal from an analog signal wherein the analog signal is amplified according to a gain control value before being converted to a digital value by means of an analog to digital converter wherein a DC offset value of the analog signal is determined and the gain control value is generated as a function of the dynamic range of the analog to digital converter and the DC offset value. The invention further refers to a corresponding circuit and a computer program.

No. of Pages : 20 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

(51) International classification	:A61K9/14	(71)Name of Applicant :
(31) Priority Document No	:61/408248	1)WESTERN UNIVERSITY OF HEALTH SCIENCES
(32) Priority Date	:29/10/2010	Address of Applicant :398 E. Second Street Pomona CA
(33) Name of priority country	:U.S.A.	91766 U.S.A.
(86) International Application No	:PCT/US2011/058570	(72)Name of Inventor :
Filing Date	:31/10/2011	1)BETAGERI Guru V.
(87) International Publication No	:WO 2012/058668	2)AGNIHOTRI Sunil A.
(61) Patent of Addition to Application	:NA	3)SOPPIMATH Kumaresh
Number	:NA :NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : TERNARY MIXTURE FORMULATIONS

(57) Abstract :

The invention relates to a novel free flowing powder pharmaceutical formulation for the delivery of a poorly water soluble drug substance that increases the solubility and bioavailability of the poorly water soluble drug substance as well as to a method of making the free flowing powder pharmaceutical formulation. The invention also relates to dispersed particles that disperse instantaneously from the free flowing powder formulation when the formulation is added to water aqueous solvent or organic solvent wherein the bulk distribution of the poorly water soluble drug substance of the free flowing powder formulation in the dispersed particles is uniform. Such dispersed particles increase the bioavailable surface area of the poorly water soluble drug substance and facilitate the drug substance s dissolution.

No. of Pages : 38 No. of Claims : 17

(21) Application No.3718/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : BROMINATED INORGANIC SORBENTS FOR REDUCTION OF MERCURY EMISSIONS

(51) International classification	:B01D53/02,B01J20/18	(71)Name of Applicant :
(31) Priority Document No	:61/416077	1)ALBEMARLE CORPORATION
(32) Priority Date	:22/11/2010	Address of Applicant :451 Florida Street Baton Rouge LA
(33) Name of priority country	:U.S.A.	70801 1765 U.S.A.
(86) International Application No	:PCT/US2011/060605	(72)Name of Inventor :
Filing Date	:14/11/2011	1)NALEPA Christopher J.
(87) International Publication No	:WO 2012/071206	2)ZHOU Qunhui
(61) Patent of Addition to Application	:NA	3)VADOVIC Charles
Number		4)LAMBETH Gregory H.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) 11		•

(57) Abstract :

This invention provides brominated sorbent compositions which are brominated inorganic sorbents having about 0.5 wt% to about 20 wt% bromine therein based on the total weight of the brominated inorganic sorbent. Methods for preparing brominated sorbent compositions are also provided as are methods for reducing mercury emissions employing brominated sorbents. In the methods for preparing the brominated inorganic sorbents the bromine source is elemental bromine and/or hydrogen bromide.

No. of Pages : 27 No. of Claims : 24

(21) Application No.3720/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ACTIVATOR COMPOSITIONS THEIR PREPARATION AND THEIR USE IN CATALYSIS

(57) Abstract :

This invention provides activator precursor compositions and activator compositions. The activator precursor compositions are formed from a support material an organoaluminum compound and polyfunctional compounds having at least two aromatic groups in which at least two of said aromatic groups each has at least one polar moiety thereon. The activator compositions are formed from a support material an organoaluminum compound an aluminoxane and a polyfunctional compound having at least two aromatic groups in which at least two of said aromatic groups each has at least one polar moiety thereon. Also provided are catalyst compositions processes for forming catalyst compositions and polymerization processes utilizing the catalyst compositions of this invention.

No. of Pages : 55 No. of Claims : 28

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : LOAD BALANCING BETWEEN GENERAL PURPOSE PROCESSORS AND GRAPHICS PROCESSORS

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(33) Name of priority country</li> <li>(33) Name of priority country</li> <li>(34) International Application No</li> <li>(35) International Publication No</li> <li>(36) International Publication No</li> <li>(37) International Publication No</li> <li>(38) Name of Addition to Application</li> <li>(39) Name of Inventor :</li> <li>(30) Name of Inventor :</li> <li>(31) Name of Inventor :</li> <li>(32) Name of Inventor :</li> <li>(33) Name of Inventor :</li> <li>(34) Name of Inventor :</li> <li>(35) International Publication No</li> <li>(36) International Publication No</li> <li>(37) Name of Inventor :</li> <li>(37) Name of Inventor :</li> <li>(38) Name of Addition to Application No</li> <li>(39) Name of Inventor :</li> <li>(31) Name of Inventor :</li> <li>(32) Name of Inventor :</li> <li>(33) Name of Addition to Application Number</li> <li>(34) Name of Addition to Application Number</li> <li>(36) Divisional to Application Number</li> <li>(37) Name of Inventor :</li> <li>(38) Name of Inventor :</li> <li>(39) Name of Inventor :</li> <li>(31) Name of Inventor :</li> <li>(32) Name of Inventor :</li> <li>(33) Name of Inventor :</li> <li>(34) Name of Inventor :</li> <li>(35) Name of Inventor :</li> <li>(36) Name of Addition to Application Number</li> <li>(36) Divisional to Application Number</li> <li>(36) Name of Inventor :</li> <li>(37) Name of Inventor :</li> <li>(38) Name of Inventor :</li> <li>(39) Name of Inventor :</li> <li>(31) Name of Inventor :</li> <li>(32) Name of Inventor :</li> <li>(33) Name of Inventor :</li> <li>(34) Name of Inventor :</li> <li>(35) Name of Inv</li></ul>	07 U.S.A.
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#### (57) Abstract :

Disclosed are various embodiments for facilitating load balancing between central processing units (CPUs) and graphics processing units (GPUs). A request is obtained to execute a first application in one or more computing devices. In one embodiment a second application associated with the first application is assigned to be executed in GPUs of the one or more computing devices instead of CPUs of the one or more computing devices when a resource usage profile associated with the first application indicates that the first application is relatively more CPU intensive than GPU intensive. Conversely the second application is relatively more GPU intensive than CPU intensive.

No. of Pages : 47 No. of Claims : 15

(21) Application No.3801/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR THE MANUFACTURING OF NALTREXONE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)H. LUNDBECK A/S Address of Applicant :Ottiliavej 9 DK 2500 Valby Denmark</li> <li>(72)Name of Inventor :</li> <li>1)DE FAVERI Carla</li> <li>2)HUBER Florian Anton Martin</li> <li>3)STIVANELLO Mariano</li> </ul>
Filing Date	:NA	

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(57) Abstract :

The present invention relates to an improved process for producing naltrexone [17 (cyclopropylmethyl) 4 5a epoxy 3 14 dihydroxy morphinan 6 one] from noroxymorphone [4 5 a epoxy 3 14 dihydroxy morphinan 6 one] by alkylation with a cyclopropylmethyl halide.

No. of Pages : 20 No. of Claims : 15

(21) Application No.3803/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

(51) International classification	:H04R25/00	(71)Name of Applicant :
(31) Priority Document No	:61/391521	1)STARKEY LABORATORIES INC.
(32) Priority Date	:08/10/2010	Address of Applicant :6600 Washington Ave. So. Eden Prairie
(33) Name of priority country	:U.S.A.	Minnesota 55344 U.S.A.
(86) International Application No	:PCT/US2011/055384	(72)Name of Inventor :
Filing Date	:07/10/2011	1)HIGGINS Sidney A.
(87) International Publication No	:WO 2012/048232	2)SCHROEDER Aaron Jon
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11A	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Ale stress to		

#### (54) Title of the invention : EXTENDED WEAR HEARING ASSISTANCE DEVICE

(57) Abstract :

A hearing aid kit includes a standard fit completely in canal (CIC) hearing aid and a hearing aid tool set. The CIC hearing aid is for extended use and includes a core module inserted into a sleeve. The core module and the sleeve each include various features providing for a minimum overall size ease of insertion removal and cleaning and enhanced sound transmission. The tool set is configured to be stored and carried in a single piece and provides for adjustment and cleaning of the CIC hearing aid. Open ear fits and occlusive ear fits are possible using different sleeves.

No. of Pages : 40 No. of Claims : 45

(21) Application No.3730/DELNP/2013 A

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ENGINE BREATHING SYSTEM VALVE AND SEAL

<ul> <li>(32) Priority Date :08/10/2010</li> <li>(33) Name of priority country :U.S.A.</li> <li>(86) International Application No</li> <li>Filing Date :03/10/2011</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> <li>(63) Date</li> <li>(64) Patent of Addition to Sunce Filing Date</li> <li>(65) Divisional to Application Sunce Filing Date</li> <li>(66) Date</li> <li>(61) Patent of Addition to Sunce Filing Date</li> <li>(62) Divisional to Application Sunce Filing Date</li> <li>(63) Date</li> <li>(64) Patent of Addition to Sunce Filing Date</li> <li>(65) Divisional to Application Sunce Filing Date</li> <li>(65) Divisional to Application Sunce Filing Date</li> <li>(72) Name of Inventor : (1) PETERSON Todd R.</li> <li>(72) Name of Inventor : (1) PETERSON Todd R.</li> <li>(72) BUSATO Murray</li> </ul>	<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> </ul>	<sup>n</sup> :PCT/US2011/054594 :03/10/2011 <sup>n</sup> :WO 2012/047801 :NA :NA <sup>m</sup> :NA	1)PETERSON Todd R.
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(57) Abstract :

One embodiment may include a bushing (100 300) and a seal member (102 104 200 302). The bushing may be located in a cavity (56) of a stationary body (46) of an engine breathing system valve (12). The bushing may be located around a moveable stem (48) of the engine breathing system valve in order to facilitate movement of the valve. The seal member may be located in the cavity and around the stem. The seal member may substantially prevent fluid flow between an outer diametrical surface (76) of the stem and a confronting inner diametrical surface (120 128 202 308) of the seal member.

No. of Pages : 47 No. of Claims : 14

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : IMPROVED FIBERGLASS MESH SCRIM REINFORCED CEMENTITIOUS BOARD SYSTEM

(51) International classification	n:E04C2/06,B32B37/24,B32B13/02	(71)Name of Applicant :
(31) Priority Document No	:12/965208	1)UNITED STATES GYPSUM COMPANY
(32) Priority Date	:10/12/2010	Address of Applicant :550 West Adams Street Chicago Illinois
(33) Name of priority country	:U.S.A.	60661 3676 U.S.A.
(86) International Application	:PCT/US2011/062012	(72)Name of Inventor :
No	:23/11/2011	1)DUBEY Ashish
Filing Date	.23/11/2011	2)PENG Yanfei
(87) International Publication	:WO 2012/078366	
No		
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date (62) Divisional to Application		
Number	:NA	
Filing Date	:NA	

(57) Abstract :

A cementitious board system which is reinforced on its opposed surfaces by an improved glass fiber mesh scrim with thicker yarn and larger mesh openings to provide a cementitious board with improved handling properties while retaining tensile strength and long term durability. The fabric is constructed as a mesh of high modulus strands of bundled glass fibers encapsulated by alkali and water resistant material e.g. a thermoplastic material. The composite fabric also has suitable physical characteristics for embedment within the cement matrix of the panels or boards closely adjacent the opposed faces thereof. The fabric provides a board system with long lasting high strength tensile reinforcement and improved handling properties regardless of their spatial orientation during handling. Also included are methods for making the reinforced board.

No. of Pages : 63 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :29/04/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : EXHAUST TURBOCHARGER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:PCT/US2011/055543 :10/10/2011 :WO 2012/051085 :NA :NA	<ul> <li>(71)Name of Applicant : <ul> <li>1)BORGWARNER INC.</li> <li>Address of Applicant :Patent Department 3850 Hamlin Road</li> </ul> </li> <li>Auburn Hills Michigan 48326 U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)JOERGL Volker</li> <li>2)KIENER Timm</li> <li>3)BECKER Michael</li> </ul> </li> </ul>
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(57) Abstract :

The invention relates to an exhaust turbocharger (1) having a turbine housing (2) which comprises an intake connection (3) the intake connection (3) being integrally connected to an exhaust manifold (4) which comprises a single exhaust gas intake (10).

No. of Pages : 15 No. of Claims : 8

(21) Application No.3817/DELNP/2013 A

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DENTIFRICE COMPOSITIONS CONTAINING CALCIUM SILICATE AND A BASIC AMINO ACID

#### (51) International classification :A61K8/25,A61K8/44,A61Q11/00 (71)Name of Applicant : (31) Priority Document No :12/961706 1)COLGATE PALMOLIVE COMPANY (32) Priority Date :07/12/2010 Address of Applicant :300 Park Avenue New York New York (33) Name of priority country :U.S.A. 10022 U.S.A. (86) International Application (72)Name of Inventor : :PCT/US2011/061305 **1)CHOPRA Suman** No :18/11/2011 Filing Date **2)PATEL Rahul** (87) International Publication **3)ZAIDEL Lynette Anne** :WO 2012/078337 No (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

An oral care composition includes an effective amount of a basic amino acid in free or salt form; and an effective amount of calcium silicate particles. The calcium silicate particles have an average diameter of less than about 5 microns such that they can occlude dentinal tubules of the teeth. An oral care method includes applying the composition to an oral cavity of a subject to reduce or inhibit hypersensitivity of the teeth and to achieve other benefits.

No. of Pages : 23 No. of Claims : 17

(21) Application No.3818/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:F02G1/043,F02G1/045 :1016522.3 :01/10/2010 :U.K. :PCT/GB2011/051876	<ul> <li>(71)Name of Applicant :</li> <li>1)OSBORNE Graham W. Address of Applicant :Neachs Farm Felmingham North Walsham Norfolk NR28 0JX U.K.</li> <li>(72)Name of Inventor :</li> </ul>
Filing Date	:03/10/2011	1)OSBORNE Graham W.
(87) International Publication No	:WO 2012/042281	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (54) Title of the invention : IMPROVEMENTS IN AND RELATING TO HEAT MACHINES

(57) Abstract :

A heat machine having an external heat source and an external heat sink may be configured as a Stirling engine having a hot pair of cylinder and displacer combinations (15) and a cold pair of cylinder and displacer combinations (16) though advantageously two pairs of hot combinations (15) and two pairs of cold combinations (16) are provided arranged mutually at right angles. Mechanisms (20) associated with the hot and cold displacers controls the movement thereof to be truly sinusoidal and are contained within casings (21). The pressure in the working fluid spaces remote from the mechanisms (20) and also the pressure in the casings (21) is monitored and compared and then is controlled such that the casing pressure is slightly less than the minimum working fluid pressure in the working fluid spaces. The relative phase of the two mechanisms (20) associated respectively with the hot displacers and the cold displacers is adjustable (28 29 30 31; ).

No. of Pages : 50 No. of Claims : 32

(19) INDIA

(22) Date of filing of Application :30/04/2013

#### (43) Publication Date : 21/11/2014

(51) International classification	:F02M51/06,F02M63/00	(71)Name of Applicant :
(31) Priority Document No	:102010044205.4	1)ROBERT BOSCH GMBH
(32) Priority Date	:22/11/2010	Address of Applicant : Postfach 30 02 20 70442 Stuttgart
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2011/070513	(72)Name of Inventor :
Filing Date	:21/11/2011	1)SCHUELKE Armin
(87) International Publication No	:WO 2012/069393	2)OHLHAFER Olaf
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : FUEL INJECTOR

#### (57) Abstract :

The invention relates to a fuel injector for injecting fuel into a combustion Chamber of an internal combustion engine, comprising a magnetic actuator (1) for directly Controlling a preferably needle-shaped injection valve member (2), by means of the stroke movement of which at least one injection opening (3) of the fuel injector can be released or closed. The magnetic actuator (1) comprises an armature element (4) that can carry out a stroke movement in order to control the control pressure in a control volume (5). According to the invention, the injection valve member (2) can be mechanically coupled to a hydraulic intensifier (6) during a first phase of the injection valve member opening stroke, said intensifier having a hydraulic active surface A i which delimits the control volume (5) and which together with a hydraulic active surface A2 that is formed on the injection valve member (2) is larger than a hydraulic active surface that is formed on the armature element (4) and delimits the control volume (5) so that a force amplification is caused on the basis of the surface area ratio of the hydraulic active surfaces Ai, A2, and A that are relevant to the control volume (5). Furthermore, according to the invention the injection valve member (2) can be mechanically coupled to the armature element (4) during the injection valve member closing stroke, the pressing force of an armature spring (7) being applied to said armature element in the closing direction of the injection valve member (2) such that the closing stroke of the injection valve member (2) can be caused by means of the armature spring (7).

No. of Pages : 11 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : LOCKING UNIT WITH END POSITION LOCKING CATCH FOR A SEATBELT RETRACTOR. (51) International classification :B60R22/41 (71)Name of Applicant : (31) Priority Document No 1)FASCHING SALZBURG GMBH :GM 694/2010 (32) Priority Date :11/11/2010 Address of Applicant :Hellbrunner Strasse 11 A 5020 Salzburg (33) Name of priority country :Austria Austria (86) International Application No :PCT/EP2011/067327 (72)Name of Inventor : Filing Date :04/10/2011 1)FASCHING Thomas (87) International Publication No :WO 2012/062516 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract :

A locking unit (4) for a seat belt retractor (1) which locking unit (4) is provided at one end of a seat belt spool (3) of the seat belt retractor (1) so that when the seat belt (2) is quickly unrolled a locking arm (14) of a locking lever (13) is locked with an internal gearwheel (Z) as a result of which the seat belt spool (3) is locked. A cover ring (19) is provided between the locking lever (13) and the internal gearwheel (Z) which cover ring (19) can be rotated into a covering position when the seat belt (2) is retracted in which covering position the cover ring (19) at least partially covers the region between the locking arm (14) and the internal gearwheel (Z) in order to prevent locking and which can be rotated into a release position when the seat belt (2) is unrolled in which release position the cover ring (19) releases the region between the locking arm (14) and the internal gearwheel (Z) in order to permit locking.

No. of Pages : 13 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :30/04/2013

(54) Title of the invention · POWER CONVERSION DEVICE

#### (43) Publication Date : 21/11/2014

IN ERBIGIC DE TIGE	
:H02M7/48,G05F1/70	(71)Name of Applicant :
:2010244884	1)HITACHI LTD.
:01/11/2010	Address of Applicant :6 6 Marunouchi 1 chome Chiyoda ku
:Japan	Tokyo 1008280 Japan
:PCT/JP2011/074523	(72)Name of Inventor :
:25/10/2011	1)TSUCHIYA Mitsuyoshi
:WO 2012/060250	2)INOUE Shigenori
·NI A	3)KATO Tetsuya
	4)SODEYAMA Tadashi
.INA	
:NA	
:NA	
	:2010244884 :01/11/2010 :Japan :PCT/JP2011/074523 :25/10/2011 :WO 2012/060250 :NA :NA :NA

(57) Abstract :

A power conversion device is provided with a cascade connected multiple single phase power converters and a central control device that controls the multiple single phase power converters. Each of the multiple single phase power converters has a single phase power converter control device. The central control device and the multiple single phase converter control devices are connected via a daisy chain structured communication means. The single phase power converter control devices: send and receive control signals via the daisy chain structured communication means and in addition to a control signal frame send and receive a signal with a specific pattern that can be distinguished from the control signal frame; and detect communication abnormalities due to the special pattern signal not being received by the single phase power converter control devices or a discrepancy between a received signal and the special pattern signal.

No. of Pages : 31 No. of Claims : 10

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : FIBER OPTIC CABLES WITH EXTRUDED ACCESS FEATURES AND METHODS OF MAKING FIBER OPTIC CABLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G02B6/44 :61/407744 :28/10/2010 :U.S.A. :PCT/US2011/057574 :25/10/2011 :WO 2012/058181 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CORNING CABLE SYSTEMS LLC Address of Applicant :800 17th Street NW Hickory North Carolina 28602 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)ABERNATHY George C.</li> <li>2)CHIASSON David W.</li> <li>3)TUTTLE Randall D.</li> </ul>
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(57) Abstract :

Cables are constructed with embedded discontinuities in the cable jacket that allow the jacket to be torn to provide access to the cable core. The discontinuities can be longitudinally extending strips of polymer material coextruded in the cable jacket.

No. of Pages : 22 No. of Claims : 35

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : SYSTEM LAYOUT FOR AN AUTOMATED SYSTEM FOR SAMPLE PREPARATION AND ANALYSIS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International</li> <li>Application No Filing Date</li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to</li> <li>Application Number Filing Date</li> </ul>	:G01N35/02,G01N35/08,G01N30/72 :61/408180 :29/10/2010 :U.S.A. :PCT/US2011/058323 :28/10/2011 :WO 2012/058559 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)THERMO FISHER SCIENTIFIC OY Address of Applicant :Ratastie 2 P.O. Box 100 FI 01621</li> <li>Vantaa Finland</li> <li>(72)Name of Inventor :</li> <li>1)DEWITTE Robert</li> <li>2)SIIDOROV Juhani</li> <li>3)NUOTIO Vesa</li> <li>4)SAUKKONEN Jukka</li> <li>5)BRANN John Edward</li> <li>6)OLNEY Terry N.</li> </ul>
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(57) Abstract :

A sample preparation and analysis system (10). The system (10) includes a housing (16) with a sample preparation station (12) and a sample analysis station (14) positioned within the housing (16). The sample analysis station (14) is spaced away from the sample preparation station (12). A transport assembly (50) is configured to move at least one sample within the housing (16) and between the sample preparation station (12) and the sample analysis station (14).

No. of Pages : 32 No. of Claims : 21

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR MANUFACTURING SOLAR CELLS ATTENUATING THE LID PHENOMENA

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li></ul>	:H01L31/18,H01L31/04,H01L21/322 :1058997	(71)Name of Applicant : 1)COMMISSARIAT A LENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES
(32) Priority Date	:02/11/2010	Address of Applicant :25 rue Leblanc Btiment Le Ponant D F
(33) Name of priority country	:France	75015 Paris France (72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:PCT/EP2011/068991 :28/10/2011	1)POCHET Pascal 2)DUBOIS Sbastien
(87) International Publication No	:WO 2012/059426	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

To reduce the degradation in the conversion efficiency of crystalline silicon solar cells due to the LID effect one or more steps consisting of the controlled introduction of gaps into the silicon are applied wherein said introduction is carried out by means of one or more steps selected from the following steps: silicidation nitridation ion implantation laser irradiation the application of mechanical stresses to a surface of the silicon substrate by bending in combination with a temperature that promotes the formation of gaps. Said gaps make it possible to reduce the interstitial oxygen content by means of an effect of the diffusion of the VO complexes and the precipitation of the oxygen. The introduction of the gaps also has the effect of reducing the self interstitial content and thus of limiting the formation of interstitial boron. The LID phenomena caused by the activation of the BiOi2 complexes are thus limited. The invention can be used particularly in monocrystalline or polycrystalline silicon solar cells having a high boron and oxygen concentration.

No. of Pages : 21 No. of Claims : 16

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : LARGE XENOTIME CERAMIC BLOCK AND DRY PROCESS FOR MAKING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:C04B35/447,C04B35/626,C03B17/06 :61/408071 :29/10/2010 :U.S.A. :PCT/US2011/057621 :25/10/2011 :WO 2012/058194	<ul> <li>(71)Name of Applicant : <ol> <li>CORNING INCORPORATED</li> <li>Address of Applicant :1 Riverfront Plaza Corning New York</li> </ol> </li> <li>(4831 U.S.A.</li> <li>(72)Name of Inventor : <ol> <li>LANGENSIEPEN Ralph Alfred</li> <li>MCINTOSH Joseph James</li> <li>TIMMONS Tracey L.</li> </ol> </li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A ceramic block consisting essen tially of substantially homogeneous (Y 20 )c P20 5, where 0.95 < x < 1.05, having length LL, a width WW and a height HH, and a volume W of 100 at least 8 xlO 3 m3 essentially free of cracks throughout the volume, a density of at least 85% of the theoretical maximal density of Y20 P2O under standard conditions, and a creep rate CR at 1250°C and 6.89 MPa; where CR < 8.0 x 10 6 hour 1 and method for making the same. The method utilizes a dry process where the starting YPO -based ceramic material is synthesized by reacting anhydrous P20 5with dry Y20 powder.

No. of Pages : 30 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : HYDRODEOXYGENATION OF PYROLYSIS OIL IN PRESENCE OF ADMIXED ALCOHOL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number </li> </ul>	:C10G45/00 :61/410101 :04/11/2010 :U.S.A. :PCT/EP2011/064897 :30/08/2011 :WO 2012/059256 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ALBEMARLE EUROPE SPRL Address of Applicant :Parc Scientifique Einstein Rue de Bosquet 9 B 1348 Louvain la Neuve Belgium</li> <li>(72)Name of Inventor :</li> <li>1)VAN BROEKHOVEN Emanuel Hermanus</li> <li>2)KLOMP Ralph</li> <li>3)PRONK Ruben Theodoor</li> <li>4)GERRITSEN Leendert Arie</li> </ul>
Filing Date		4)GERRITSEN Leendert Arie 5)PLANTENGA Frans Lodewijk
(62) Divisional to Application Number Filing Date	:NA :NA	6)STEENWINKEL Edgar Evert

(57) Abstract :

The present invention relates to the hydrodeoxygenation of pyrolysis oils in the presence of an alcohol.

No. of Pages : 32 No. of Claims : 52

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : CONTINUOUS METHOD FOR REACTING POLYMERS CARRYING ACID GROUPS WITH AMINES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:C08F8/32,C08F20/06,C08F22/02 :10 2010 056 579.2 :30/12/2010 :Germany	<ul> <li>(71)Name of Applicant :</li> <li>1)CLARIANT FINANCE (BVI) LIMITED Address of Applicant :Citco Building Wickhams Cay P.O.</li> <li>Box 662 Road Town Tortola British Virgin Islands</li> </ul>
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:PCT/EP2011/006173 :08/12/2011 :WO 2012/089297	(72)Name of Inventor : 1)KRULL Matthias 2)MORSCHH,,USER Roman
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

The invention relates to a method for reacting synthetic poly(carboxylic acids) (A), containing at least 10 repetitive structural units of formula (I), wherein R9 represents hydrogen, a Ci to C -alkyl group or a group of formula -CH2-COOH, R10 represents hydrogen or a Ci to C i-alkyl group, R11 represents hydrogen, a Ci to C alkyl group or -COOH or with amines (B) of general formula (II) HNRR2 (II), wherein Rrepresents a hydrocarbon group having 3 to 50 C atoms, which can be substituted or can contain heteroatoms, and R2 represents hydrogen or a hydrocarbon group having 1 to 50 C atoms, which can be substituted or can contain heteroatoms, or R1 and R2 together form a ring with the nitrogen atom to which they are bound. According to the invention, a reaction mixture containing at least one synthetic poly(carboxylic acid) (A) and at least one amine of formula (II) in a solvent mixture which contains water, and with respect to the weight of the solvent mixture, 0.1 - 75 wt.-% of at least one organic solvent which can be mixed with water.,said organic solvent having a dielectric constant of at least 10 when measured at 25 °C, is o introduced into a reaction path and is exposed to microwave radiation when it flows through the reaction path. Said reaction mixture is heated to temperatures over 100 °C by the microwave radiation in the reaction path.

No. of Pages : 43 No. of Claims : 22

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : MATERIALS FOR CONTROLLING THE EPITAXIAL GROWTH OF PHOTOACTIVE LAYERS IN PHOTOVOLTAIC DEVICES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(33) Name of priority country</li> <li>(34) International Application No</li> <li>(35) International Application No</li> <li>(36) International Publication No</li> <li>(37) International Publication No</li> <li>(38) NA</li> <li>(39) Name of Priority Country</li> <li>(30) Name of Priority Country</li> <li>(31) Name of Priority Country</li> <li>(32) Priority Date</li> <li>(33) Name of Priority Country</li> <li>(34) Name of Priority Country</li> <li>(35) Name of Priority Country</li> <li>(36) International Publication No</li> <li>(37) Name of Priority Country</li> <li>(38) Name of Priority Country</li> <li>(39) Name of Priority Country</li> <li>(31) Name of Priority Country</li> <li>(31) Name of Priority Country</li> <li>(32) Name of Priority Country</li> <li>(31) Name of Priority Country</li> <li>(32) Name of Priority Country</li> <li>(31) Name of Priority Country</li> <li>(32) Name of Priority Country</li> <li>(31) Name of Priority Country</li> <li>(32) Name of Priority Country</li> <li>(33) Name of Priority Country</li> <li>(34) Name of Priority Country</li> <li>(35) Name of Priority Country</li> <li>(36) Priority Country</li> <li>(37) Name of Priority Country</li> <li>(38) Name of Priority Country</li> <li>(38) Name of Priority Country</li> <li>(38)</li></ul>	2)DANKOOK UNIVERSITY (72)Name of Inventor •
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#### (57) Abstract :

There is disclosed ultrathin film material templating layers that force the morphology of subsequently grown electrically active thin films have been found to increase the performance of small molecule organic photovoltaic (OPV) cells. There is disclosed electron transporting material such as hexaazatriphenylene hexacarbonitrile (HAT CN) can be used as a templating material that forces donor materials such as copper phthalocyanine (CuPc) to assume a vertical standing morphology when deposited onto its surface on an electrode such as an indium tin oxide (ITO) electrode. It has been shown that for a device with HAT CN as the templating buffer layer the fill factor and short circuit current of CuPc:C60 OPVs were both improved compared with cells lacking the HAT CN template. This is explained by the reduction of the series resistance due to the improved crystallinity of CuPc grown onto the ITO surface.

No. of Pages : 52 No. of Claims : 40

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : POLYMERS CARRYING HYDROXYL GROUPS AND ESTER GROUPS AND METHOD FOR THE PRODUCTION THEREOF

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:C08F8/14,C08G81/02,B01J19/12 :10 2010 056 564.4 :30/12/2010 :Germany	<ul> <li>(71)Name of Applicant :</li> <li>1)CLARIANT FINANCE (BVI) LIMITED Address of Applicant :Citco Building Wickhams Cay P.O.</li> <li>Box 662 Road Town Tortola VIRGIN ISLANDS</li> </ul>
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:PCT/EP2011/006174 :08/12/2011 :WO 2012/089298	<ul> <li>(72)Name of Inventor :</li> <li>1)KRULL Matthias</li> <li>2)MORSCHH,,USER Roman</li> <li>3)SCHOLZ Hans J¼rgen</li> <li>4)STOCK Jochen</li> </ul>
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

The invention relates to polymers carrying ester/hydroxyl groups, containing repetitive structural units of formulae (I) and (II) in a block-wise, alternating or Statistical sequence, wherein D represents a direct bond between the polymer backbone and the hydroxyl group, a Ci-to C -alkene group, a C5- to Ci2-arylene group, an oxyalkene group of formula -O-R2-, an ester group of formula -C(0)-0-R 2- or an amide group of formula -C(0)-N(R)R2-, E represents a hydrocarbon group having 1 to 50 C-atoms, R2 represents a C2- to Cio-alkene group, R3 represents hydrogen or a Cr to Cio-alkyl group, which can carry substituents, k represents a number between 1 and 1000, n represents a number from 0 to 4999, m represents a number from 1 to 5000, and n+m represents a number between 10 to 5000, under the proviso that a) the molar portion of the structural units (I) on the polymer is between 0 and 99.9 mol-%, and b) the molar portion of the structural units (II) on the polymer is between 0.1 and 100 mol-% of the repetitive units. The invention also relates to a method for the production of said polymers using microwaves.

No. of Pages : 48 No. of Claims : 13

(12) PATENT A	APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :30/04/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : SURGICAL IMPLANT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> </ul>	:PCT/US2011/064089 :09/12/2011 :WO 2012/096737	<ul> <li>(71)Name of Applicant :</li> <li>1)SYNTHES USA LLC Address of Applicant :1302 Wrights Lane East West Chester PA 19380 U.S.A.</li> <li>2)SYNTHES GMBH</li> <li>(72)Name of Inventor :</li> <li>1)VOISARD Cyril</li> <li>2)BAUMGARTNER Adrian</li> <li>3)BRUNNER Christian</li> </ul>
Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A surgical implant (1) comprises a body (2) having a compressed state and an uncompressed state. An envelope (5) contains the body in at least the compressed state. The envelope forms an air tight seal around the body in the compressed state and is water soluble or degradable in body fluids.

No. of Pages : 20 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :30/04/2013

### (43) Publication Date : 21/11/2014

(54) Title of the invention : A BODY SUPPORT PLATFORM		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul> </li> <li>Number <ul> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul> </li> </ul>	:A61G7/057 :1017183.3 :12/10/2010 :U.K.	<ul> <li>(71)Name of Applicant :</li> <li>1)BALLUGA LTD Address of Applicant :41 Chalton Street London NW1 1JD U.K.</li> <li>(72)Name of Inventor :</li> <li>1)KATAN Joseph Meir</li> </ul>

#### (57) Abstract :

A body support platform for supporting a human body comprising one or more body support unit(s) the or each support unit comprising: a plurality of columns each column comprising a stack of fluid fillable substantially spherical resilient balls each ball of a respective column being physically and fluidly connected only to the adjacent ball(s) within said column such that a column may be compressed substantially independently of a neighbouring column; and a base providing a primary fluid reservoir; wherein said columns are arranged in an array across said base; and each of said columns is connected to said base such that the lowermost ball of each respective column is directly fluidly connected to said primary fluid reservoir; and wherein the uppermost ball of respective columns collectively define a body support surface.

No. of Pages : 51 No. of Claims : 46

(21) Application No.3758/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : RESEALABLE OPENING DEVICE AND PACKAGE COMPRISING SUCH AN OPENING DEVICE

(51) International classification	:B65D33/16,B65D33/25,B65D75/00	(71)Name of Applicant : 1)ECOLEAN RESEARCH & DEVELOPMENT A/S
(31) Priority Document No	:10511889	Address of Applicant :Harbour House Sundskrogsgade 21 DK
(32) Priority Date	:11/11/2010	2100 Copenhagen Denmark
(33) Name of priority country	y:Sweden	(72)Name of Inventor :
(86) International	:PCT/EP2011/069749	1)J–NSSON Bengt
Application No Filing Date	:09/11/2011	2)MARBE Peter
(87) International Publication	<sup>1</sup> :WO 2012/062806	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An opening device for a flexible package (15; 15; 15 15) having an opening portion (16) which is defined by two side walls (17) and has a width (W) which opening device is intended to be disposed in the opening portion (16) of the package (15; 15; 15 15) adjacent to an opening (20) formed upon initial opening of the package (15; 15; 15 15) for opening and closing thereof. The opening device comprises a thin walled first body (4) with a contact surface (8) and a first application surface (9) opposite thereto for allowing application of the said first body (4) in the opening portion (16) to a first (17a) of the said two side walls (17) and a locking member (5). The first body (4) is manoeuvrable by folding about a first folding axis (2) between a basic position and a sealing position in which sealing position the said contact surface (8) has sub portions (10a 10b) directly facing each other. The said sub portions (10a 10b) adjoin each other along a boundary portion which is designed to extend along substantially the full width (W) of the opening portion and the said locking member (5) is designed for releasable locking of the body (4) in the said sealing position. The locking member (5) is disposed in at least one of the sub portions (10a 10b) of the contact surface (8) and is designed to act between the said sub portions (10a 10b) in order to achieve the said releasable locking.

No. of Pages : 45 No. of Claims : 25

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : ELECTRICAL PLUG ELEMENT WITH CONTACT LOCK MEMBER AND TEST STOP

<ul> <li>(51) International classification</li> <li>(31) Priority Document Not (32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication Not (61) Patent of Addition to Application Number Filing Date</li> </ul>	:H01R13/436,H01R13/50,H01R13/641 p:10 2010 042 826.4 :22/10/2010 :Germany :PCT/EP2011/068071 :17/10/2011 :WO 2012/052382 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TYCO ELECTRONICS AMP GMBH Address of Applicant : Amperestrasse 12 14 D 64625 Bensheim Germany</li> <li>(72)Name of Inventor :</li> <li>1)BOEMMEL Christian Otto</li> <li>2)JETTER Rolf</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a plug element  $(1 \ 1 \ 1 \ 1 \ 1 \ 1)$  with a plugging section (2) which is configured to be able to be brought together in a direction of plugging (Z) of the plug element  $(1 \ 1 \ 1 \ 1 \ 1)$  with a mating plug element (100) and has at least one receptacle (5) for an electrical plug in contact and with a contact lock member (8) which at least in its securing position (S) projects at least in sections into the receptacle (5). In order with the smallest possible external dimensions of the plug element  $(1 \ 1 \ 1 \ 1 \ 1)$  to be able simply to feel that the securing position (S) has been reached provision is made according to the invention for the contact lock member (8) in the securing position (S) to release a test path (P) along which a test member (3 200) can be moved past a test stop (18).

No. of Pages : 25 No. of Claims : 10

(22) Date of filing of Application :01/05/2013

#### (43) Publication Date : 21/11/2014

### (54) Title of the invention : FIBER TREATING AGENT

classificationD00M113/105,D00M113/105,D00M113/224(31) Priority Document:2010279169No:2010279169(32) Priority Date:15/12/2010(33) Name of priority:Japancountry:Japan(86) International:PCT/IP2011/078739	<ul> <li>71)Name of Applicant :</li> <li>1)KAO CORPORATION <ul> <li>Address of Applicant :14 10 Nihonbashi Kayabacho 1 chome</li> </ul> </li> <li>Chuo ku Tokyo 1038210 Japan</li> <li>72)Name of Inventor : <ul> <li>1)SATO Tomoya</li> <li>2)INOUE Katsuhisa</li> <li>3)OHISHI Shun</li> <li>4)NOMURA Masato</li> </ul> </li> </ul>
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(57) Abstract :

The present invention is a fiber-treating agent that contains an ester compound represented by general formula ) : R 1-0-((EO) 1-(PO) m)-(EO) n-CO-R 2 [wherein R1 is a C 8-24 hydrocarbon group; R2 is alkyl, alkenyl or cycloalkyl, each having 7 to 23 carbon atoms; is ethyleneoxy; PO is propyleneoxy; 1 and n each represent the average number of moles of added ethyleneoxy, 1 being a number of 0 to 15 and n being a number of 1 to 20; m represents the average number of moles of added propyleneoxy, and is a number of 0.5 to 20; in the ((EO) -(PO) m) segment, the () and (PO) units may be added at random or in blocks; and the((EO) - (PO)) Segment and the (EO) segment are added m blocks in t s order].

No. of Pages : 28 No. of Claims : 18

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : POLYMER COMPOSITION PROCESS FOR PREPARING AND ARTICLES OBTAINED FROM THE COMPOSITION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:10013929.4 :25/10/2010 :EPO :PCT/EP2011/068358 :20/10/2011 :WO 2012/055763 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)DSM IP ASSETS B.V. Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)BRONSAER Cornelia Emilie Maria</li> <li>2)FALKE Johan</li> </ul>
Filing Date	:NA	

(57) Abstract :

This invention relates to a polymer composition comprising monomeric units derived from caprolactam wherein a) the caprolactam content is at most 0.3 wt% based on the total amount of polymer composition and b) wherein [acid end groups] [amine end groups] = 0 meq/kg whereby [acid end groups] is the concentration of acid end groups in the polymer composition in meq/kg and [amine end groups] is the concentration of amine end groups in the polymer composition in meq/kg; c) and wherein the RSV is at least 2.8. This invention also relates to a process for producing this polymer composition as well as articles made thereof.

No. of Pages : 10 No. of Claims : 10

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : CAROTENOID COMPOSITIONS CONTAINING OCTENYL SUCCINATE ANHYDRIDE MODIFIED GUM ACACIA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:PCT/EP2011/067256	<ul> <li>(71)Name of Applicant :</li> <li>1)DSM IP ASSETS B.V. Address of Applicant :Het Overloon 1 NL 6411 Te Heerlen Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)HITZFELD Andrea</li> </ul>
Filing Date (87) International Publication No	:04/10/2011 :WO 2012/059286	2)LEUENBERGER Bruno H. 3)VIDONI Olivia
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to compositions comprising octenyl succinic anhydride modified gum acacia and carotenoids. It has been found that the compositions according to the invention allow to produce emulsions having a very high color intensity and color stability with a low turbidity. These compositions can be used for the enrichment fortification and/or coloration of food beverages animal feed cosmetics or pharmaceutical compositions. The present invention furthermore refers to a process for the manufacture of a beverage by mixing the compositions with ingredients of beverages. The present invention also refers to beverages obtainable by this process.

No. of Pages : 17 No. of Claims : 12

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : SINGLE UNIT ION EXCHANGE CHROMATOGRAPHY ANTIBODY PURIFICATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:C07K16/06,C07K1/18,B01D15/36 :10189563.9 :01/11/2010 :EPO :PCT/EP2011/067882 :13/10/2011	<ul> <li>(71)Name of Applicant :</li> <li>(71)DSM IP ASSETS B.V. Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)KREMER Diderik Reinder</li> <li>2)DORST Marijke Yvonne</li> </ul>
Filing Date (87) International Publication No	:WO 2012/059308	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a method for the purification of antibodies from a protein mixture produced in a bioreactor at least comprising the steps of intermediate purification and polishing wherein the intermediate and polishing step comprises in either order in line anion exchange chromatography (AEX) chromatography and cation exchange chromatography (CEX) chromatography steps in flow through mode. The present invention further relates to a single operational unit comprising both an anion exchange chromatography part and a cation exchange chromatography part in either order which are serially connected wherein the unit comprises an inlet at the upstream end of the first ion exchange chromatography part and an outlet at the downstream end of the second ion exchange chromatography part.

No. of Pages : 20 No. of Claims : 11

(21) Application No.3836/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : CONNECTOR WITH SECURE ENGAGEMENT (51) International classification :H01R13/639,H01R13/629 (71)Name of Applicant : (31) Priority Document No 1)TYCO ELECTRONICS FRANCE SAS :1058811 (32) Priority Date :26/10/2010 Address of Applicant :29 Chaussee Jules Cesar FR 95300 (33) Name of priority country :France Pontoise France (86) International Application No :PCT/EP2011/068151 (72)Name of Inventor : Filing Date :18/10/2011 **1)VOLANTIN Christian** (87) International Publication No :WO 2012/055723 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract :

A connector comprising a first module (1) on which a lever (6) is mounted so as to be able to rotate and a second module (2) the first and second modules having complementary engagement profiles and receiving complementary contact elements the lever (6) and the second module (2) comprising complementary means (8 9) for driving the second module (2) in translation in a coupling direction of the first and second modules (1 2) under the action of the rotation of the lever (6) the driving means (8 9) being suitable for abutting to block the coupling before the contact between the complementary contact elements is established upon the introduction of the second module (2) into the first module (1) as long as the lever (6) does not occupy a rotation stroke starting position for the purpose of the driving in translation.

No. of Pages : 30 No. of Claims : 24

(21) Application No.3759/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : ARIPIPRAZOLE COMPOSITIONS AND METHODS FOR ITS TRANSDERMAL DELIVERY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(33) Name of priority country</li> <li>(34) International Application No</li> <li>Filing Date</li> <li>(37) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> <li>(61) Patent</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> <li>(61) Patent</li> <li>(62) Divisional to Application Number</li> <li>(63) Divisional to Application Number</li> <li>(64) Patent</li> <li>(65) Divisional to Application Number</li> <li>(65) Divisional to Application Number</li> <li>(66) Divisional to Application Number</li> <li>(7) Divisional to Application N</li></ul>	<ul> <li>(71)Name of Applicant :</li> <li>1)TRANSDERMAL RESEARCH PHARM</li> <li>LABORATORIES LLC <ul> <li>Address of Applicant :157 14 Cryders Lane Whitestone New</li> <li>York 11357 U.S.A.</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)PLAKOGIANNIS Fotios M.</li> <li>2)HOSSAIN Muhammed Anwar</li> </ul> </li> </ul>
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(57) Abstract :

The present invention discloses compositions of liquid and gel formulation containing aripiprazole in the form of a patch for transdermal delivery.

No. of Pages : 11 No. of Claims : 15

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : WIND ENERGY INSTALLATION HAVING A SYNCHRONOUS GENERATOR AND SLOWLY ROTATING SYNCHRONOUS GENERATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:H02K9/197,H02K7/18,F03D9/00 :10 2010 043 429.9 :04/11/2010 :Germany :PCT/EP2011/069117 :31/10/2011 :WO 2012/059463	<ul> <li>(71)Name of Applicant :</li> <li>1)WOBBEN PROPERTIES GMBH Address of Applicant :Dreekamp 5 26605 Aurich Germany</li> <li>(72)Name of Inventor :</li> <li>1)HILDEBRAND Arno</li> </ul>
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

The invention relates to a wind energy installation having a synchronous generator which comprises a generator stator and a generator rotor for generating electrical energy. The wind energy installation further comprises a liquid cooling system (300) for cooling the generator rotor (200).

No. of Pages : 25 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :29/04/2013

(54) Title of the invention : LIQUID DISPENSING RAZOR		
(51) International classification		(71)Name of Applicant :
<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:201010524276.1 :28/10/2010 :China	1)THE GILLETTE COMPANY Address of Applicant :World Shaving Headquarters IP/Legal Patent Department 3E One Gillette Park Boston Massachusetts
(86) International Application No Filing Date	:PCT/US2011/058199 :28/10/2011	02127 U.S.A. (72) <b>Name of Inventor :</b>
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2012/058500 :NA	1)FORSDIKE Edward Neill 2)JESSEMEY Paul Michael
Number Filing Date (62) Divisional to Application Number	:NA :NA	3)ROCKELL Barry Keith 4)WAIN Kevin James 5)BURROWES Lee
Filing Date	:NA :NA	6)PAN Guohua

(57) Abstract :

A hair removal kit having a handle a cover removably engagable to the handle and a cartridge removably engagable to the handle. The cartridge has at least one blade. A removable dispensing unit is disposed within the handle. The dispensing unit has a pump an applicator in liquid communication with the pump and a reservoir having a first position and a second position. The reservoir is in liquid communication with the pump in the second position but not in liquid communication with the pump in the first position.

No. of Pages : 48 No. of Claims : 15

(21) Application No.3762/DELNP/2013 A

(19) INDIA(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : PUMP FOR A LIQUID DISPENSING HAIR REMOVAL DEVICE		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	~	<ul> <li>(71)Name of Applicant :</li> <li>1)THE GILLETTE COMPANY Address of Applicant :World Shaving Headquarters IP/Legal Patent Department 3E One Gillette Park Boston MA 02127 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)WAIN Kevin James</li> <li>2)BURROWES Lee</li> <li>3)ROCKELL Barry Keith</li> </ul>

(57) Abstract :

A liquid dispensing unit (150) for a hair removal device (10) with a reservoir (220) and an applicator (100) in liquid communication with the reservoir. A first and second connector (162 164) are in liquid communication with the reservoir. The first and second connector each have a respective first and second valve (118 178). A resilient tube (166) is disposed between the connectors. The resilient tube has a neutral position with both valves closed and a second position with one valve open and one valve closed.

No. of Pages : 48 No. of Claims : 15

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : FUNGICIDE COMPOSITION COMPRISING A TETRAZOLYLOXIME DERIVATIVE AND A THIAZOLYLPIPERIDINE DERIVATIVE

<ul> <li>(51) International classification</li> <li>(31) Priority Document Not</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> <li>Filing Date</li> </ul>	:A01N43/713,A01N43/80,A01N43/18 :10356026.4 :07/10/2010 :EPO :PCT/EP2011/067424 :06/10/2011 :WO 2012/045798 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BAYER CROPSCIENCE AG Address of Applicant :Alfred Nobel Strasse 50 40789 Monheim Germany</li> <li>(72)Name of Inventor :</li> <li>1)COQUERON Pierre Yves</li> <li>2)CRISTAU Pierre</li> <li>3)TSUCHIYA Tomoki</li> <li>4)WACHENDORFF NEUMANN Ulrike</li> </ul>
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(57) Abstract :

The present invention relates to a pesticide composition intended for protecting plants crops or seeds against fungal diseases or insect damages and the corresponding methods of protection by application of the said composition. More precisely the subject of the present invention is a pesticide composition based on a tetrazolyloxime derivative and a thiazolylpiperidine derivative which may further comprise an other fungicide and/or an insecticide active substance or compound.

No. of Pages : 67 No. of Claims : 13

(54) Title of the invention · A TOY BUILDING SET

(19) INDIA

(22) Date of filing of Application :01/05/2013

#### (43) Publication Date : 21/11/2014

(54) The of the invention . A TOT BOIL	DING SET	
(51) International classification	:A63H33/06	(71)Name of Applicant :
(31) Priority Document No	:PA 2010 00963	1)LEGO A/S
(32) Priority Date	:22/10/2010	Address of Applicant : Aastvej 1 DK 7190 Billund Denmark
(33) Name of priority country	:Denmark	(72)Name of Inventor :
(86) International Application No	:PCT/EP2011/068421	1)R•TTJER Christoph
Filing Date	:21/10/2011	2)MANOVI Cerim
(87) International Publication No	:WO 2012/052541	3)RAUNDAHL Christoffer
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	.1 <b>V</b> /1.	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Alestreat		1

### (57) Abstract :

A toy building set comprising at least a first building element having a ball (5 10) arranged on a connecting rod on each element and a second building element having a socket (6) arranged and adapted for receiving said ball in order to form an articulated ball and socket joint. According to the invention the building set also comprises at least one third building element having a second type of socket (9) being adapted for receiving said ball on the first building element in order to provide a snap connection between the second type of socket and the ball and where the first building element and the third building element comprises positioning means adapted for engaging with each other when the ball (5) is received in the second type of socket (9) so as to hold the third building element in a fixed position with respect to the first building element.

No. of Pages : 12 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : APPLICATOR FOR LIQUID DISPENSING HAIR REMOVAL DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:201010524331.7 :28/10/2010 :China	<ul> <li>(71)Name of Applicant :</li> <li>1)THE GILLETTE COMPANY Address of Applicant :World Shaving Headquarters IP/Legal Patent Department 3E One Gillette Park Boston Massachusetts 02127 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)WAIN Kevin James</li> </ul>
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(57) Abstract :

A liquid dispensing hair removal device (10) having a handle (50) with a cartridge (12) mounted to the handle. The cartridge has a guard (24) a cap (26) and at least one blade (22) behind the guard and in front of the cap. A dispensing unit (150) is within the handle. The dispensing unit has a reservoir (220) a pump (160) in liquid communication with the reservoir and an applicator (100) in liquid communication with the pump. The applicator has a guard (120) with a plurality of ribs (122) and an outlet port (128) in front of the ribs.

No. of Pages : 50 No. of Claims : 12

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : ABSORBENT CORE COMPRISING A NOT CROSS LINKED POLYCARBOXYLIC ACID BASED POLYMER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:10189456.6 :29/10/2010 :EPO :PCT/US2011/058218 :28/10/2011 :WO 2012/058510 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)THE PROCTER &amp; GAMBLE COMPANY Address of Applicant :One Procter &amp; Gamble Plaza Cincinnati Ohio 45202 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)CARLUCCI Giovanni</li> <li>2)TORO Evelina Sara</li> <li>3)STEFFAN Silvia</li> </ul>
(61) Patent of Addition to Application	:NA :NA	3)STEFFAN Silvia
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An absorbent core for an absorbent article comprising from 1 to 2000 mg of a not cross linked polycarboxylic acid based polymer having an average molecular weight between 1000 and 25000 Da.

No. of Pages : 13 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

(51) International classification	:B26B21/44	(71)Name of Applicant :
(31) Priority Document No	:201010524266.8	1)THE GILLETTE COMPANY
(32) Priority Date	:28/10/2010	Address of Applicant :World Shaving Headquarters IP/Legal
(33) Name of priority country	:China	Patent Department 3E One Gillette Park Boston Massachusetts
(86) International Application No	:PCT/US2011/058197	02127 U.S.A.
Filing Date	:28/10/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2012/058498	1)JESSEMEY Paul Michael
(61) Patent of Addition to Application	:NA	2)BURROWES Lee
Number	:NA	3)PAN Guohua
Filing Date	.117	4)HODGES Jonathan Norman Robert
(62) Divisional to Application Number	:NA	5)FORSDIKE Edward Neill
Filing Date	:NA	

### (54) Title of the invention : RAZOR WITH REMOVABLE CARE BOTTLE

(57) Abstract :

A hair removal device with a handle and a cartridge mounted to one end of the handle. A personal care bottle is removably secured to the handle. The personal care bottle has a first end wall disposed within the handle a second end wall defining an aperture opposite the first end wall and a pair of opposing walls wherein one of the opposing walls is disposed within the handle and the other opposing wall is spaced apart from the handle.

No. of Pages : 48 No. of Claims : 10

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : NOVEL METHOD OF PREPARING BENZOIMIDAZOLE DERIVATIVES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07D401/10,C07D235/18,C07D471/04 :1020100093818 :28/09/2010 :Republic of Korea :PCT/KR2011/007109 :27/09/2011 :WO 2012/044043 to :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)DAEWOONG PHARMACEUTICAL CO. LTD. Address of Applicant :223 23 Sangdaewon dong Chungwon gu Sungnam si Gyeonggi do 462 120 Republic of Korea</li> <li>(72)Name of Inventor :</li> <li>1)KIM In Woo</li> <li>2)KIM Ji Duck</li> <li>3)YOON Hong Chul</li> <li>4)YOON Hee Kyoon</li> <li>5)LEE Byung Goo</li> <li>6)LEE Joon Hwan</li> <li>7)LIM Young Mook</li> <li>8)CHOI Soo Jin</li> </ul>
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### (57) Abstract :

This invention relates to a method of preparing a benzoimidazole derivative at high purity and high yield so as to enable the production of the benzoimidazole derivative compound as an antagonist against a vanilloid reactor- 1, and particularly o to a method of preparing a benzoimidazole derivative at high purity and high yield, wherein the benzoimidazole derivative is syn thesized using a novel intermediate, namely, benzaldehyde, and thereby the preparation process is simple so that it can be applied to production.

No. of Pages : 44 No. of Claims : 24

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : AGE TAILORED NUTRITIONAL FORMULA WITH PARTICULARLY ADAPTED CALORIC DENSITY FOR YOUNG INFANTS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:A23L1/29,A23L1/30,A23L1/305 :10191205.3 :15/11/2010 :EPO	<ul> <li>(71)Name of Applicant :</li> <li>1)NESTEC S.A. Address of Applicant :Avenue Nestl 55 CH 1800 Vevey Switzerland</li> </ul>
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:PCT/EP2011/068613 :25/10/2011 :WO 2012/065813	<ul> <li>(72)Name of Inventor :</li> <li>1)KLASSEN Petra</li> <li>2)MAGLIOLA Corinne</li> </ul>
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> </ul>	:NA :NA :NA	
Filing Date	.110	

(57) Abstract :

Nutritional formulae which are specifically designed to address the needs of infants and young children up to at least 6 months of age. In particular the invention provides a set of nutritional compositions for infants and young children each nutritional composition having an age specific caloric density. The set of the invention is specifically aimed at providing long term benefits to the infants and young children such as reducing obesity and reducing cardiovascular diseases later in life.

No. of Pages : 34 No. of Claims : 16

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : CONTROL OF PHENOXYALKANOIC ACID HERBICIDE RESISTANT WEEDS WITH 4 AMINO 3 CHLORO 6 (4 CHLORO 2 FLUORO 3 METHOXYPHENYL)PYRIDINE 2 CARBOXYLIC ACID AND ITS SALTS OR ESTERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A01N25/00 :61/410450 :05/11/2010 :U.S.A. :PCT/US2011/059252 :04/11/2011 :WO 2012/061668 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>DOW AGROSCIENCES LLC</li> <li>Address of Applicant :9330 Zionsville Road Indianapolis IN</li> </ol> </li> <li>46268 U.S.A. </li> <li>(72)Name of Inventor : <ol> <li>SATCHIVI Norbert M.</li> <li>SCHMITZER Paul R.</li> </ol> </li> </ul>
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(57) Abstract :

4 Amino 3 chloro 6 (4 chloro 2 fluoro 3 methoxyphenyl)pyridine 2 carboxylic acid and its salts or esters effectively controls phenoxyalkanoic acid herbicide resistant weeds despite having the same mode of action as phenoxyalkanoic acid herbicides.

No. of Pages : 11 No. of Claims : 3

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METHOD FOR PRODUCING FIBROUS MATERIALS PRE IMPREGNATED WITH A THERMOHARDENABLE POLYMER

<ul> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> </ul>	:PCT/FR2011/052670 :17/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)ARKEMA FRANCE <ul> <li>Address of Applicant :420 rue dEstienne dOrves F 92700</li> </ul> </li> <li>Colombes France <ul> <li>(72)Name of Inventor :</li> <li>1)GAILLARD Patrice</li> <li>2)HAVEL Mickael</li> <li>3)KORZHENKO Alexander</li> </ul> </li> </ul>
Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract :

The invention relates to a method for producing a fibrous material comprising carbon fibres or glass fibres or plant fibres or polymerbased fibres, that are used alone or in a mixture, and are impregnated by a thermohardenable polymer or a mixture of thermohardenable polymers, using a mixture containing a hardener and carbon nanofillers, such as carbon nanotubes (CNT). According to the invention, a mixture containing said nanofillers, such as CNTs, and the hardener is used to introduce said nanofillers, such as CNTs, into the fibrous material. The pre-impregnated fibrous materials are used to produce parts with a three-dimensional structure.

No. of Pages : 47 No. of Claims : 21

(22) Date of filing of Application :28/12/2010

(43) Publication Date : 21/11/2014

(54) Title of the invention : MICROWAVE INDUCED CHEMICAL ETCHING OF LR-115 TYPE-II SOLID STATE NUCLEAR TRACK DETECTOR

(57) Abstract :

A method of studying alpha particles using a solia polymeric track detector bearing created latent tracks is envisaged, wherein an etchant having a pre-determined concentration is pre-heated for a pre-determined time in an etchant bath at a pre-determined microwave power (wattage). The detector bearing latent tracks is then immersed in the pre-heated etchant and exposed to microwave radiation at a pre-determined power for a pre-determined time to develop the created latent tracks. The developed tracks are bright, clear and circular and easily discernible using a suitable visual device to enable studying of the alpha particles that created the latent tracks.

No. of Pages : 29 No. of Claims : 17

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : ARRAY OF COMPLEMENTARY INFANT/YOUNG CHILD NUTRITIONAL COMPOSITIONS

(33) Name of priority country (86) International Application No:EPOSwitzerland (72)Name of 1)KLASSI	C S.A. of Applicant :Avenue Nestl 55 CH 1800 Vevey of Inventor :
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(57) Abstract :

The present invention relates to infant/young child nutrition. A set of nutritional compositions having beneficial effects to infants/young children is disclosed. The set of nutritional compositions comprises at least two compositions with varying amounts of components which impart a beneficial effect to the infants young/children. A nutrition kit for infants/young children comprising the set of nutritional compositions is also disclosed as well as a method for manufacturing the set of nutritional components. A dosage regimen is also disclosed.

No. of Pages : 25 No. of Claims : 19

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : ARRAY OF AGE TAILORED NUTRITIONAL FORMULA WITH PROBIOTICS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:A23L1/29,A23L1/30,A23L1/305 :10191207.9 :15/11/2010 :EPO :PCT/EP2011/068609 :25/10/2011 :WO 2012/065811 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>NESTEC S.A.</li> <li>Address of Applicant :Avenue Nestl 55 CH 1800 Vevey</li> </ol> </li> <li>Switzerland <ol> <li>Name of Inventor : <ol> <li>KLASSEN Petra</li> <li>MAGLIOLA Corinne</li> </ol> </li> </ol></li></ul>
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(57) Abstract :

The present invention relates to nutritional compositions which are specifically designed to address the needs of infants and young children of at least 2 years of age. In particular the invention provides a set of nutritional compositions for infants and young children each nutritional composition having varying probiotic content. The set of the invention is specifically aimed at providing an optimal amount of probiotics to infants and young children over time and at each specific age.

No. of Pages : 34 No. of Claims : 24

(19) INDIA

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : PEG OR PEG BLOCK COPOLYMERS FOR TREATING COLORECTAL CANCER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:1018650.0 :04/11/2010 :U.K. :PCT/GB2011/001561	<ul> <li>(71)Name of Applicant :</li> <li>1)NORGINE BV Address of Applicant :Hogehilweg 7 NL 1101 CA Amsterdam Zuid Oost Netherlands</li> <li>(72)Name of Inventor :</li> </ul>
	-	
(31) Priority Document No	:1018650.0	1)NORGINE BV
(32) Priority Date	:04/11/2010	Address of Applicant :Hogehilweg 7 NL 1101 CA Amsterdam
(33) Name of priority country	:U.K.	Zuid Oost Netherlands
(86) International Application No	:PCT/GB2011/001561	(72)Name of Inventor :
Filing Date	:04/11/2011	1)STEIN Peter
(87) International Publication No	:WO 2012/059725	2)COX Ian
(61) Patent of Addition to Application	:NA	3)SMITH Samuel
Number		4)JONES Leighton
Filing Date	:NA	5)PLESSL Jrg
(62) Divisional to Application Number	:NA	6)DE VRIES Corinne
Filing Date	:NA	7)CHARLTON Rachel

(57) Abstract :

The present invention relates to methods for and of treating ameliorating or preventing colorectal cancer (CRC) in humans using polyethylene glycol (PEG) or a PEG block copolymer such as Pluronic® F68. Compositions for use in treating ameliorating and/or preventing CRC comprising PEG are also disclosed. Such compositions may be used in the methods of the invention.

No. of Pages : 51 No. of Claims : 51

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : CHLOROPRENE RUBBER COMPOSITION AND VULCANIZATES AND MOLDINGS THEREOF

(51) International classification	n:C08L11/00,C08K5/40,C08K5/405	(71)Name of Applicant :
(31) Priority Document No	:2010253788	1)DENKI KAGAKU KOGYO KABUSHIKI KAISHA
(32) Priority Date	:12/11/2010	Address of Applicant :1 1 Nihonbashi Muromachi 2 chome
(33) Name of priority country	:Japan	Chuo ku Tokyo 1038338 Japan
(86) International Application	:PCT/JP2011/070717	(72)Name of Inventor :
No	:12/09/2011	1)YAMAGISHI Uichiro
Filing Date	.12/09/2011	
(87) International Publication	:WO 2012/063548	
No		
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	.1 12 1	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.1 1/2 1	

(57) Abstract :

Provided are: a chloroprene rubber composition which has excellent low temperature characteristics such as excellent low temperature compression set and low temperature dynamic characteristics and further exhibits excellent compression set mechanical strength and processing characteristics even at high temperatures thus ensuring excellent characteristics over a wide temperature range; and vulcanizates and moldings thereof. This chloroprene rubber composition can be obtained by: blending a chloroprene rubber that contains 5 to 20% by mass of 2 3 dichlorobutadiene units with a natural rubber at a chloroprene rubber/natural rubber mass ratio of 60/40 to 95/5; and then blending 100 parts by mass of the obtained rubber component with 0.1 to 3.0 parts by mass of ethylenethiourea and 0.1 to 3.0 parts by mass of dipentamethylenethiuram tetrasulfide.

No. of Pages : 22 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : APPARATUS WITH ARC GENERATOR FOR DISPENSING ABSORBENT SHEET PRODUCTS

(51) International classification	:A47K10/36,H05F3/04	(71)Name of Applicant :
(31) Priority Document No	:12/910066	1)SCA HYGIENE PRODUCTS AB
(32) Priority Date	:22/10/2010	Address of Applicant :S 405 03 Gteborg Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/EP2011/066655	1)FORMON John S.
Filing Date	:26/09/2011	2)WIESER Russell G.
(87) International Publication No	:WO 2012/052254	3)WIESER Joseph
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A dispenser can include a charge collector an arc gap and a ground where the arc gap is between the charge collector and the ground. The arc gap provides high impedance and can be set to a distance of from about 0.1 to about 0.01 inches. The technology operates by collecting charge from at one charge generating site with at least one charge collector and sending the charge to ground through the arc gap the arc gap being between the at least one charge collector and the ground.

No. of Pages : 37 No. of Claims : 20

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METHOD OF PRODUCING REGENERATED HYDROTREATING CATALYST AND METHOD OF PRODUCING PETROLEUM PRODUCTS

<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	n:B01J23/94,B01J38/12,C10G45/08 :2010237538 :22/10/2010 :Japan	1)JX Nippon Oil & Energy Corporation Address of Applicant :6 3 Otemachi 2 chome Chiyoda ku Tokyo 1008162 Japan
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:PCT/JP2011/071026 :14/09/2011 :WO 2012/053299	<ul> <li>(72)Name of Inventor :</li> <li>1)IWANAMI Yoshimu</li> <li>2)SANO Takashi</li> <li>3)KONISHI Tomohiro</li> <li>4)NAKAMURA Makoto</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	5)KONNO Souichirou
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A method of producing a regenerated hydrotreating catalyst comprises: a first step of preparing a hydrotreating catalyst that has been used in the hydrotreatment of distilled petroleum residue and comprises a metal element selected from group 6 elements of the periodic table; a second step of performing regeneration on a portion of the catalyst prepared in the first step then performing x ray microstructural analysis on the regenerated catalyst and determining regeneration conditions wherein the ratio (I/I) between the peak strength (I) of the peak pertaining to the bond between the metal element and a sulfur atom and the peak strength (I) of the peak pertaining to the bond between the metal element in the radial distribution curve obtained from an extended x ray absorption fine structure spectrum is 0.100.3; and a third step of performing regeneration for the other portion of the catalyst prepared in the first step under the conditions determined according to the second step.

No. of Pages : 38 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :01/05/2013

### (43) Publication Date : 21/11/2014

### (54) Title of the invention : SYSTEM AND METHOD FOR ADJUSTING ROLLER CONE PROFILE ON HYBRID BIT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:E21B10/00,E21B10/14 :12/939367 :04/11/2010 :U.S.A. :PCT/US2011/052763 :22/09/2011 :WO 2012/060937 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BAKER HUGHES INCORPORATED <ul> <li>Address of Applicant :2001 Rankin Road Houston Texas</li> </ul> </li> <li>77073 U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)NGUYEN Don Q.</li> <li>2)ZAHRADNIK Anton F.</li> <li>3)PESSIER Rudolf C.</li> <li>4)BLACKMAN Mark P.</li> <li>5)BRADSHAW Robert D.</li> <li>6)YOUNG Scott A.</li> <li>7)MCCORMICK Ronny D.</li> <li>8)ANANDAMPILLAI Shyam</li> <li>9)DAMSCHEN Michael S.</li> <li>10)BUSKE Robert J.</li> </ul> </li> </ul>
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### (57) Abstract :

An earth boring drill bit (11) designed for a specific performance within a finished product tolerance using components built to a looser manufacturing tolerance. The bit may be assembled by selecting a leg (17) from a plurality of pre manufactured legs; selecting a bit body (13) from a plurality of pre manufactured bit bodies the bit body having a slot (123) for receiving the leg; placing the leg within the slot; and fixing the leg within the slot within the finished product tolerance by placing one or more shims (200) between the leg and the slot. The shims may be used to adjust an axial position a radial position and/or a circumferential position of the leg with respect to the slot. The leg and the bit body may be selected or produced to ensure the bit will not meet the specification given the manufacturing tolerance without the shims.

No. of Pages : 28 No. of Claims : 20

	(43) Publication Date : 21/11/2014	
(54) Title of the invention : A TOY BUILDING SET		
.63H33/06 A 2010 00962 2/10/2010 Denmark CT/EP2011/068332 0/10/2011 VO 2012/052509 IA IA	<ul> <li>(71)Name of Applicant :</li> <li>1)LEGO A/S Address of Applicant :Aastvej 1 DK 7190 Billund Denmark</li> <li>(72)Name of Inventor :</li> <li>1)R•TTJER Christoph</li> <li>2)MANOVI Cerim</li> <li>3)RAUNDAHL Christoffer</li> </ul>	
	53H33/06 A 2010 00962 2/10/2010 enmark CT/EP2011/068332 1/10/2011 O 2012/052509 A A	

### (57) Abstract :

A toy building set comprising a group of building elements each having at least one ball 1 2 arranged on the building element and where the ball 1 2 is connected to other parts of the building element via a connection rod 3 4 and where the toy building set further comprises at least one element having a socket formed by two jaws 5 being arranged and adapted for receiving said ball 1 2 in order to form a ball and socket joint and where the cross section of the connection rod 3 from where it is connected to the ball 1 and at least a distance away from the ball 1 is smaller than the cross section of the ball 1 so that it gives a certain degree of freedom for the socket to rotate around the ball 1. The connection rods 3 4 also comprise connections rods 4 having a relatively large cross section so that the connection rods 4 with a relatively large cross section reduces the degree of freedom for the socket to rotate around the ball 2.

No. of Pages : 13 No. of Claims : 10

(21) Application No.3778/DELNP/2013 A

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : THE OPERATION OF PROCESSES WHICH EMPLOY A CATALYST THAT DEACTIVATES OVER TIME

(32) Priority Date:27/10/2010Addre(33) Name of priority country:South AfricaJohannesh(86) International Application No:PCT/IB2011/054450(72)Name	e of Applicant : OL TECHNOLOGY (PROPRIETARY) LIMITED ess of Applicant :1 Sturdee Avenue Rosebank 2196 burg South Africa e of Inventor : Herman Gerhardus
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### (57) Abstract :

A method of operating a process for catalytically converting one or more reactants to one or more products using a fluid bed reactor containing a catalyst which deactivates over time includes during a catalyst campaign in a step A gradually increasing an operating temperature of the reactor to counteract the negative effect of catalyst deactivation on a conversion rate of the one or more reactants. The operating temperature is not allowed to exceed a selected maximum operating temperature. Thereafter in a step B catalyst is added which has the tendency to increase the conversion rate of the one or more reactants into the reactor and the operating temperature of the reactor is reduced to counteract to at least some extent the effect of the added catalyst on the conversion rate of the one or more reactants. The operating temperature remains above a selected minimum operating temperature during step B. Steps A and B are repeated until the end of the catalyst campaign or until the end of a production run.

No. of Pages : 26 No. of Claims : 14

(21) Application No.3857/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:B28B3/00	(71)Name of Applicant :
(31) Priority Document No	:12/909995	1)MONOSOL RX LLC
(32) Priority Date	:22/10/2010	Address of Applicant :30 Technology Drive Warren NJ 07059
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2011/057233	(72)Name of Inventor :
Filing Date	:21/10/2011	1)BOGUE Beuford A.
(87) International Publication No	:WO 2012/054810	
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	.1NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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### (54) Title of the invention : MANUFACTURING OF SMALL FILM STRIPS

(57) Abstract :

The present invention relates to methods for forming films. In particular the present invention relates to the formation of films on a substrate via the use of individual pumps to deposit individual wet film products onto a substrate.

No. of Pages : 65 No. of Claims : 47

(19) INDIA

(22) Date of filing of Application :01/05/2013

### (43) Publication Date : 21/11/2014

:F16G13/00	(71)Name of Applicant :
:61/405404	1)JOY MM DELAWARE INC.
:21/10/2010	Address of Applicant :751 Centerville Road Suite 342
:U.S.A.	Wilmington DE 19808 U.S.A.
:PCT/US2011/057168	(72)Name of Inventor :
:20/10/2011	1)ONEILL Michael L.
:WO 2012/054775	
·NT A	
.INA	
:NA	
:NA	
	:F16G13/00 :61/405404 :21/10/2010 :U.S.A. :PCT/US2011/057168 :20/10/2011 :WO 2012/054775 :NA :NA :NA

### (54) Title of the invention : CHAIN AND FLIGHT CONVEYOR

(57) Abstract :

A chain driven by two sprockets spaced a short distance apart along their common axial centerline. The chain includes elongated pins that extend beyond the outer surfaces of the chain link plates on both sides by a distance about equal to the width of the spaced apart sprockets. The chain is aligned midway between the sprockets and the sprocket teeth drive on the extended portion of the chain pins. Where a flight is attached to the chain links the pins are extended further to fit into the indentations or holes in the flights. This provides an exposed length of each pin in alignment with the sprocket on each side for driving purposes. The chain has a piece extending between the plates to reduce the likelihood of a pin extending further outside of one side plate or the other. A shoulder on the pin further reduces the likelihood of this happening.

No. of Pages : 50 No. of Claims : 29

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : SHIELDING ARRANGEMENT FOR A BRUSH COMMUTATED ELECTRIC MOTOR AND POSITIONING ELEMENT WITH AN ELECTRIC MOTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> </ul>	:H02K11/02,H02K5/14 :10 2010 062 034.3 :26/11/2010 :Germany :PCT/EP2011/068623 :25/10/2011 :WO 2012/069268 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ROBERT BOSCH GMBH <ul> <li>Address of Applicant :Postfach 30 02 20 70442 Stuttgart</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)SEIERT Paul</li> <li>2)SURKAMP Gundolf</li> <li>3)HUESGES Mario</li> <li>4)FRIDERICHS Guenther</li> <li>5)LAUK Detlef</li> </ul> </li> </ul>
		· ·
(62) Divisional to Application Number Filing Date	:NA :NA	6)STERNS Orlando 7)GEUBEL Paul

### (57) Abstract :

The invention relates to a shielding arrangement (20) for a positioning element (1); comprising: a shielding cap (21) which is made of an electrically conductive material and which has a cylindrical inner part (22) and a retaining section (23) with a diameter that is larger relative to the inner part (22); and at least one electrically conductive flat closing element (24 27 31 32) for placing onto an end face of the cylindrical inner part (22) said closing element (24 27 31 32) closing only a part of the base of the inner part (22). The invention further relates to an electric motor (2) for an electromotive positioning element (1) comprising: a shielding arrangement (20) according to one of the preceding claims; a hollow cylindrical motor housing (5); and an armature unit (7) which is inserted into the cylindrical motor housing (5) and which supports one or more wound armatures and a commutator (8) on an output shaft (3).

No. of Pages : 18 No. of Claims : 15

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : COMPOSITION DISPENSING DEVICE COMPRISING A NON FOAMING HYDRATING COMPOSITION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(31) Priority Date</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(33) Name of priority country</li> <li>(33) Name of priority country</li> <li>(34) International Application No</li> <li>(35) International Publication No</li> <li>(37) International Publication No</li> <li>(38) International Publication No</li> <li>(39) International Publication No</li> <li>(30) International Publication No</li> <li>(31) International Publication No</li> <li>(32) International Publication No</li> <li>(33) International Publication No</li> <li>(34) International Publication No</li> <li>(36) International Publication No</li> <li>(36) International Publication No</li> <li>(36) International Publ</li></ul>	11       1)THE GILLETTE COMPANY         010       Address of Applicant :World Shaving Headquarters IP/Legal         Patent Department 3E One Gillette Park Boston Massachusetts         02011/057685       02127 U.S.A.         011       (72)Name of Inventor :
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(57) Abstract :

A composition dispensing device containing a composition comprising an anti irritation agent such as zinc pyrithione which is preferably thick and viscous yet remains clear or translucent.

No. of Pages : 41 No. of Claims : 14

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : PNEUMATIC LIQUID DISPENSING APPARATUS AND METHOD

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)NORDSON CORPORATION Address of Applicant :28601 Clemens Road Westlake OH </li> <li>44145 1119 U.S.A.  </li> <li>(72)Name of Inventor : 1)MACINDOE William</li></ul>
(87) International Publication No	:WO 2012/061347	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A dispenser and method for dispensing a liquid. The dispenser (10) includes a barrel (12) with an interior chamber (14) for holding the liquid (16) a discharge outlet (18) communicating with the interior chamber (14) for discharging the liquid (16) and an air space (20) for receiving pressurized air for forcing the liquid (16) from the interior chamber (14) through the discharge outlet (18). An air supply solenoid valve (70) and an air exhaust solenoid valve (72) are each operatively coupled with the barrel (12). The air supply solenoid valve (70) controls the flow of pressurized air to the air space and the air exhaust solenoid valve (72) controls the flow of air from the air space to atmosphere. A control selectively activates the air supply solenoid valve (70) and the air exhaust solenoid valve (72) to respectively supply air to the air space and exhaust air from the air space in order to dispense desired amounts of the liquid from the discharge outlet (18).

No. of Pages : 27 No. of Claims : 25

(22) Date of filing of Application :30/04/2013

### (54) Title of the invention : PROCESS FOR PRODUCING 2 3 3 3 TETRAFLUOROPROPENE AND A PROCESS FOR PURIFYING 2 CHLORO 1 1 1 2 TETRAFLUOROPROPANE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication</li> </ul>		<ul> <li>1)HONEY WELL INTERNATIONAL INC. Address of Applicant :Patent Services M/S AB/2B 101</li> <li>Columbia Road P. O. Box 2245 Morristown New Jersey 07962</li> <li>2245 U.S.A.</li> <li>(72)Name of Inventor : <ol> <li>MERKEL Daniel C.</li> <li>POKROVSKI Konstantin A.</li> <li>TUNG Hsueh S.</li> </ol> </li> </ul>
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	4)WANG Haiyou

(57) Abstract :

The instant invention relates to a process and method for manufacturing 2 3 3 3 tetrafluoropropene by dehydrohalogenating a reactant stream of 2 chloro 1 1 1 2 tetrafluoropropane that is substantially free from impurities particularly halogenated propanes propenes and propynes.

No. of Pages : 38 No. of Claims : 12

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PARTICLE SEPARATOR HAVING A MULTI PART HOUSING

(57) Abstract :

The invention relates to a particle separator (1) for treating exhaust gases from an internal combustion engine (2) wherein at least one metal layer (3) through which exhaust gas can flow is disposed in a housing (4) having an inlet opening (5) an outlet opening (6) and a central axis (7) wherein the housing (4) comprises a first part (8) having a first joint face (10) and a second part (9) having a second joint face (11) wherein the first joint face (10) and the second joint face (11) correspond to one another so that the first part (8) and the second part (9) can be positioned along the central axis (7) relative to one another and the at least one metal layer (3) is spaced over the entire surface from the first joint face (10) and the second joint face (11) over the entire periphery. A particle separator and a method for producing same is proposed which can be manufactured cost effectively in a simple manner with few means and in particular is suitable for retrofitting to an existing exhaust system.

No. of Pages : 25 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

#### (51) International classification :C09K3/10 (71)Name of Applicant : (31) Priority Document No 1)GARLOCK SEALING TECHNOLOGIES LLC :61/405038 (32) Priority Date Address of Applicant :1666 Division Street Palymra NEW :20/10/2010 (33) Name of priority country YORK 14522 U.S.A. :U.S.A. (86) International Application No :PCT/US2011/054743 (72)Name of Inventor : **1)DAMDAR Sherwin** Filing Date :04/10/2011 (87) International Publication No :WO 2012/054230 2)NICHOLS Paul Jude (61) Patent of Addition to Application **3)DRAGO James** :NA Number 4)DIBBLE Richard Lynn :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : EXTREME TEMPERATURE GASKET AND METHOD OF MAKING THE SAME

#### (57) Abstract :

An extreme temperature gasket material capable of withstanding temperatures in excess of 850°F is provided. The extreme temperature gasket generally includes an inorganic filler an inorganic fiber and an organic binder. In some embodiments the inorganic filler is from 75 to 90 wt% of the gasket material and can include submicron sized talc particles. The inorganic fiber can be from 5 to 20 wt% of the gasket material and can include silicic acid fiber. The binder can be a latex emulsion and can be present in the gasket material in the range of from 1 to 5 wt% of the gasket material. The gasket material also can include additives such as flocculant and defoamer. In some embodiments the amount of organic material present in the gasket material is limited to less than 5 wt% of the gasket material.

No. of Pages : 49 No. of Claims : 41

(21) Application No.3697/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

(51) International classification	:A61F5/441	(71)Name of Applicant :
(31) Priority Document No	:61/388331	1)CONVATEC TECHNOLOGIES INC.
(32) Priority Date	:30/09/2010	Address of Applicant :3993 Howard Hughes Parkway Suite
(33) Name of priority country	:U.S.A.	250 Las Vegas NV 89169 6754 U.S.A.
(86) International Application No	:PCT/US2011/054177	(72)Name of Inventor :
Filing Date	:30/09/2011	1)LESKO Marc
(87) International Publication No	:WO 2012/044910	2)TSAI Mingliang Lawrence
(61) Patent of Addition to Application	:NA	3)OBERHOLTZER Gary
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : OSTOMY POUCH WITH FILTERING SYSTEM

(57) Abstract :

An ostomy appliance including an ostomy pouch with a filter and a center pleated panel to protect the filter facilitate deodorization and deter ballooning. One aspect of the invention in the filter design to improve the clogging resistance by using the newly developed pleated center panel design. This design includes a filter in the front panel of the pouch and a center panel of film that is intended to shield the filter from direct exposure to stool that is expelled from the stoma. The center panel has at least one pleat and preferably two pleats that are intentionally formed into the center panel. These pleats allow the gas to travel from the stoma area into the filter area while preventing a majority of the stool from get to and fouling the filter.

No. of Pages : 15 No. of Claims : 4

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHODS OF PREPARING NOVEL HALIDE ANION FREE QUATERNARY AMMONIUM SALT MONOMERS POLYMERIZATION METHODS THEREFOR AND METHODS OF USE OF THE RESULTING POLYMERS

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li></ul>	:C08F126/04,C02F1/56,C07C211/63 :12/951769	<ul> <li>(71)Name of Applicant :</li> <li>1)GENERAL ELECTRIC COMPANY Address of Applicant :1 River Road Schenectady NY 12345</li> </ul>
<ul><li>(32) Priority Date</li><li>(33) Name of priority</li><li>country</li></ul>	:22/11/2010 :U.S.A.	U.S.A. (72)Name of Inventor : 1)GULIASHVILI Tamaz
(86) International Application No Filing Date	:PCT/US2011/060906 :16/11/2011	2)VASCONCELLOS Stephen R.
(87) International Publication No	<sup>n</sup> :WO 2012/071223	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:16/11/2011 <sup>n</sup> :WO 2012/071223 :NA :NA :NA	

(57) Abstract :

Methods are provided for making halide free quaternary ammonium salt monomers. Polymers prepared from the monomers and methods of using the polymers to clarify raw untreated water or wastewater are also disclosed.

No. of Pages : 20 No. of Claims : 20

(22) Date of filing of Application :26/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : DEVICE FOR IRRADIATING SUBSTRATE MATERIAL IN THE FORM OF A SHEET OR WEB AND USES THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:B41F23/04,B41F33/00 :10189740.3 :02/11/2010 :EPO :PCT/IB2011/054846 :01/11/2011 :WO 2012/059861 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)KBA NotaSys SA Address of Applicant :PO Box 347 55 Avenue du Grey CH 1000 Lausanne 22 Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)SCHAEDE Johannes Georg</li> </ul>
Filing Date	:NA	

(57) Abstract :

A device for irradiating substrate material (S) in the form of a sheet or web in a sheet fed or web fed processing system especially in a sheet fed or web fed processing or printing press. The device comprises at least one flexible light emitting sheet (10) for producing radiation of a desired wavelength or wavelength band which light emitting sheet (10) is disposed along a path of the substrate material (S) to subject the substrate material (S) to said radiation. The flexible light emitting sheet (10) is preferably an organic light emitting device (OLED) sheet.

No. of Pages : 32 No. of Claims : 20

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : PACKAGING MATERIAL HAVING MOISTURE BARRIER AND METHODS FOR PREPARING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:D21H19/16,D21H19/80,D21H19/82 :61/410584 :05/11/2010 :U.S.A. :PCT/US2011/059531 :07/11/2011 :WO 2012/061800 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)INTERNATIONAL PAPER COMPANY Address of Applicant :6400 Poplar Avenue Memphis TN 38197 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)ANDERSON Dennis W.</li> <li>2)EWING Patricia L.</li> <li>3)BRADFORD Timothy J.</li> <li>4)MURPHY Michael J.</li> </ul>
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(57) Abstract :

An article in the form of a packaging material having a water vapor transportation rate of about 500 g/m2/day or less. The packaging material has a paper substrate and a print receptive layer which is positioned over the outer surface of the paper substrate. The packaging material also has a moisture barrier layer positioned over the print receptive layer. The moisture barrier layer is formed from one or more energy cured polymers. Also methods for preparing these packaging materials including printed packaging materials.

No. of Pages : 45 No. of Claims : 71

(19) INDIA

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : CLAMP FOR ATTACHING A RAIL AND SYSTEM PROVIDED WITH SUCH A CLAMP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)VOSSLOH WERKE GMBH Address of Applicant :Vosslohstrae 4 58791 Werdohl Germany</li> <li>(72)Name of Inventor :</li> <li>1)KRIEG Nikolai</li> </ul>
Filing Date	:17/10/2011	1)KRIEG Nikolaj
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2012/059318 :NA	
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a clamp for attaching a rail S having a middle segment (3) having at least one torsional segment (9 10) extending in the sideways direction from the middle segment (3) having at least one transition segment (11 12) adjoining the torsional segment (9 10) and having at least one retaining arm (13 14) adjoining the transition segment (11 12) an end segment (19 20) being formed at the free end thereof.

No. of Pages : 26 No. of Claims : 11

(54) Title of the invention : HETEROCYCLIC COMPOUNDS AND USES THEREOF

(21) Application No.3871/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

#### (51) International classification :A61K31/506,A61K31/16 (71)Name of Applicant : (31) Priority Document No :61/409080 1)CELGENE AVILOMICS RESEARCH INC. (32) Priority Date :01/11/2010 Address of Applicant :45 Wiggins Avenue Bedford MA 01730 (33) Name of priority country :U.S.A. U.S.A. (86) International Application No :PCT/US2011/058610 (72)Name of Inventor: 1)LEE Kwangho Filing Date :31/10/2011 (87) International Publication No :WO 2012/061299 2)NIU Deqiang (61) Patent of Addition to Application **3)PETTER Russell C.** :NA Number 4)BAEVSKY Matthew Frank :NA Filing Date **5)SINGH Juswinder** (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Heterocyclic pyrimidine compounds that modulate mutant selective epidermal growth factor receptor (EGFR) kinase activity are disclosed. Selectivity in inhibition of various mutant EGFR is disclosed. Pharmaceutical compositions containing the pyrimidine derivatives and methods of treating diseases associated with EGFR kinase activity comprising administration of the pyrimidine derivatives or pharmaceutical compositions containing the pyrimidine derivative are described.

No. of Pages : 93 No. of Claims : 62

(21) Application No.3810/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C08J7/06 :61/409255 :02/11/2010 :U.S.A. :PCT/US2011/058931 :02/11/2011 :WO 2012/061482 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)THE PROCTER &amp; GAMBLE COMPANY Address of Applicant :One Procter &amp; Gamble Plaza Cincinnati Ohio 45202 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)WNUK Andrew Julian</li> <li>2)STANLEY Scott Kendyl</li> <li>3)LAYMAN John Moncrief</li> <li>4)MAGNESS Robert Earl</li> </ul>
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### (54) Title of the invention : DEGRADABLE SACHETS FOR DEVELOPING MARKETS

(57) Abstract :

Disclosed herein are degradable sachets useful for enclosing a consumer product such as for

example shampoo conditioner soap toothpaste bar soap and detergent. The sachets of the invention have a moisture vapor transmission rate (MVTR) of less than about ten grams per square meter per day (g/m2/day) at 37°C and 90% relative humidity (RH) and can disintegrate into pieces sufficiently small to pass through a one millimeter sieve within two years after first and continuous exposure to water and microorganisms.

No. of Pages : 29 No. of Claims : 10

(21) Application No.3811/DELNP/2013 A

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR MANUFACTURING RUBBER COMPOSITION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application Not Filing Date</li> <li>(87) International Publication Not</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:03/10/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)BRIDGESTONE CORPORATION <ul> <li>Address of Applicant :10 1 Kyobashi 1 chome Chuo ku Tokyo</li> </ul> </li> <li>1048340 Japan <ul> <li>(72)Name of Inventor :</li> <li>1)KATOU Seiichi</li> <li>2)HORIE Satoshi</li> </ul> </li> </ul>
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(57) Abstract :

(19) INDIA

The present invention is a method for manufacturing a rubber composition that contains: a rubber component (A) comprising at least one type of rubber selected from among natural rubbers and synthetic diene rubbers; a filler containing an inorganic filler (B); a silane coupling agent (C); and at least one vulcanization accelerator (D) selected from among

guanidines sulfenamides thiazoles thiurams dithiocarbamates thioureas and xanthates. Said manufacturing method is characterized in that: said rubber composition is kneaded in three or more kneading stages; the rubber component (A) some or all of the inorganic filler (B) and some or all of the silane coupling agent (C) are kneaded together in the first kneading stage (X); the vulcanization accelerator(s) (D) is/are added and kneaded in a stage (Y) after the first kneading stage and before the final stage; and a vulcanizing agent is added and kneaded in the final kneading stage (Z). This method for manufacturing a rubber composition is capable of further increasing the coupling activity of the silane coupling agent suitably obtaining a rubber composition that generates less heat.

No. of Pages : 105 No. of Claims : 17

(21) Application No.3812/DELNP/2013 A

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR MANUFACTURING RUBBER COMPOSITION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application</li> <li>Number Filing Date</li> </ul>	:03/10/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)BRIDGESTONE CORPORATION <ul> <li>Address of Applicant :10 1 Kyobashi 1 chome Chuo ku Tokyo</li> </ul> </li> <li>1048340 Japan</li> <li>(72)Name of Inventor : <ul> <li>1)KATOU Seiichi</li> <li>2)HORIE Satoshi</li> </ul> </li> </ul>
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#### (57) Abstract :

The present invention is a method for manufacturing a rubber composition that contains: a rubber component (A) comprising at least one type of rubber selected from among natural rubbers and synthetic diene rubbers; a filler containing an inorganic filler (B); a silane coupling agent (C); and at least one vulcanization accelerator (D) selected from among thiurams dithiocarbamates thioureas and xanthates. Said manufacturing method is characterized in that: said rubber composition is kneaded in multiple stages; the rubber component (A) some or all of the inorganic filler (B) some or all of the silane coupling agent (C) and the vulcanization accelerator(s) (D) are kneaded together in the first kneading stage. This method for manufacturing a rubber composition is capable of further increasing the coupling activity of the silane coupling agent suitably obtaining a rubber composition that generates less heat.

No. of Pages : 72 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:B60C3/06,B60C15/00 :1059469 :18/11/2010 :France :PCT/EP2011/070028 :14/11/2011 :WO 2012/065939 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN Address of Applicant :12 cours Sablon F 63000 Clermont Ferrand France</li> <li>2)MICHELIN RECHERCHE ET TECHNIQUE S.A.</li> <li>(72)Name of Inventor :</li> <li>1)PIROTTE Pascal</li> <li>2)EGERSZEGI Christophe</li> </ul>
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#### (54) Title of the invention : TIRE HAVING DISSYMMETRICAL BEADS

(57) Abstract :

The invention relates to a tyre intended to be mounted on a drop-centre rim (6) with a flange height G and a radius of curvature R1, this tyre comprising a first and a second 5 bead (51,52), each bead comprising at least one annular reinforcing structure (70) having a radially innermost point (71), the radial distance between the radially innermost point (71) of the annular reinforcing structure and the mounting rim being denoted by A; a carcass reinforcement (60) anchored in the two beads by being turned back around the annular reinforcing structure so as to form, within each bead, a main 10 strand (62) and a turned-back strand (63), in which the first bead has a thickness EB1 and the second bead has a thickness EB2, the thicknesses EB1 and EB2 being defined as the distance separating (i) the point (69) on the main strand that is at a distance R from said point (71), where R = G + R1/2 - A, and (ii) the point (153) on the exterior surface (53) of the bead that is at this same distance R from said point (71), and in 15 which the absolute value of the difference between the thicknesses EB1 and EB2 is greater than or equal to 1 mm.

No. of Pages : 17 No. of Claims : 2

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : SYSTEM FOR CONTACTLESS POWER TRANSFER BETWEEN NACELLE AND TOWER OF A WINDTURBINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:NA :NA :NA :PCT/EP2010/066488 :29/10/2010 :WO 2012/055443	<ul> <li>(71)Name of Applicant :</li> <li>1)3E Address of Applicant :Vaartstraat 61 B 1000 Brussel Belgium</li> <li>(72)Name of Inventor :</li> <li>1)DE BROE Alex</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The present invention relates to a transformer (100) for the transfer of electrical power from a nacelle (250) of a horizontal axis wind turbine to a turbine tower (350) of said wind turbine whereby the nacelle (250) is in revolute attachment to the tower (350) comprising: a primary winding (200) adapted for attachment to the nacelle (250) and a secondary winding (300) adapted for attachment to the turbine tower (350) which windings (200 300) are in revolute alignment with each other and configured for transfer of electrical power by induction from the primary winding (200) to the secondary winding (300). It also relates to a method for assembly or disassembly of a wind turbine.

No. of Pages : 22 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :01/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : INFLAMMATORY DISEASE (51) International classification :A61K9/06,A61K9/00,A61K31/00 (71)Name of Applicant : (31) Priority Document No :1018289.7 **1)BIOCOPEA LIMITED** (32) Priority Date :29/10/2010 Address of Applicant : CentralPoint 45 Beech Street London (33) Name of priority country EC2Y 8AD U.K. :U.K. (86) International Application (72)Name of Inventor : :PCT/GB2011/052115 1)BANNISTER Robin Mark No :31/10/2011 Filing Date 2)BREW John (87) International Publication 3)STOLOFF Gregory Alan :WO 2012/056251 No 4)CAPAROSS WANDERLEY Wilson (61) Patent of Addition to 5)PLEGUEZUELOS MATEO Olga :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

The invention relates to the treatment of inflammatory diseases and especially Th 1 mediated inflammatory diseases. In particular the invention relates to the treatment of Th 1 mediated inflammatory diseases using a range of compositions and to the use of these compositions in methods of treatment. The invention extends to adjuvants for use in treating a wide variety of medical conditions. The invention also provides pharmaceutical compositions and medicaments comprising the adjuvant and to uses of the adjuvant in methods of treatment and for eliciting an immune response.

No. of Pages : 50 No. of Claims : 60

#### (19) INDIA

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : HIGH STRENGTH NON ORIENTED MAGNETIC STEEL SHEET

<ul> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> </ul>	:PCT/JP2012/059886 :11/04/2012	<ul> <li>(71)Name of Applicant : <ol> <li>NIPPON STEEL &amp; SUMITOMO METAL</li> </ol> </li> <li>(CORPORATION <ul> <li>Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku</li> </ul> </li> <li>Tokyo 1008071 Japan <ul> <li>(72)Name of Inventor : <ul> <li>ARITA Yoshihiro</li> <li>FUJIKURA Masahiro</li> <li>MURAKAMI Hidekuni</li> </ul> </li> </ul></li></ul>
Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A high-strength non-oriented electrical steel sheet contains: in mass%, C: 0.010% or less; Si: not less than 2.0% nor more than 4.0%; Mn: not less than 0.05% nor more than 0.50%; Al: not less than 0.2% nor : more than 3.0%; N: 0.005% or less; S: not less than 0.005% nor more than 0.030%; and Cu: not less than 1 0.5% nor more than 3.0%, a balance being composed of Fe and inevitable impurities. An expression (1) is established where a Mn content is represented as [Mn] and a S content is represented as [S], and not less than 1.0x10 pieces nor more than 1.0x10 pieces of sulfide having a circle-equivalent diameter of not , less than 0.1 jam nor more than 1.0 jam are contained > per 1 mm. 10 < [Mn] / [S] < 50 ... (1)

No. of Pages : 26 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :02/05/2013

(54) Title of the invention : PROCESS

#### (43) Publication Date : 21/11/2014

(51) International classification	:C10K1/32,C01B3/58	(71)Name of Applicant :
(31) Priority Document No	:1019054.4	1)JOHNSON MATTHEY PUBLIC LIMITED COMPANY
(32) Priority Date	:11/11/2010	Address of Applicant :5th floor 25 Farringdon Street London
(33) Name of priority country	:U.K.	EC4A 4AB U.K.
(86) International Application No	:PCT/GB2011/052008	(72)Name of Inventor :
Filing Date	:17/10/2011	1)ABBOTT Peter Edward James
(87) International Publication No	:WO 2012/063034	2)MACLEOD Norman
(61) Patent of Addition to Application	:NA	3)WILSON Gordon Edward
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process is described for reducing the thiophene content in a synthesis gas mixture comprising the steps of (i) passing a synthesis gas mixture comprising hydrogen and carbon oxides and containing thiophene over a copper containing sorbent disposed in a sorbent vessel at an inlet temperature in the range 200 280°C (ii) withdrawing a thiophene depleted synthesis gas containing methanol from the sorbent vessel and (iii) adjusting the temperature of the methanol containing thiophene depleted synthesis gas mixture. The resulting gas mixture may be used for production of chemicals e.g. methanol production or for the Fischer Tropsch synthesis of liquid hydrocarbons for hydrogen production by using water gas shift or for the production of synthetic natural gas.

No. of Pages : 13 No. of Claims : 20

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : NONDESTRUCTIVE TEST FOR FLEXIBLE COMPOSITES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:G01N3/20,G01N3/30,G01M7/08 :61/424449 :17/12/2010 :U.S.A. :PCT/US2011/063638 :07/12/2011 :WO 2012/082477 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)THE GATES CORPORATION <ul> <li>Address of Applicant :1551 Wewatta Street Denver CO 80202</li> </ul> </li> <li>U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)KNOX John Graeme</li> <li>2)MARKES Tulin K.</li> </ul> </li> </ul>
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(57) Abstract :

A method for testing internal differences in reinforced flexible composites including placing a flexible composite on a rigid support structure tapping the composite with a tapper of predetermined mass determining a value representative of the impact duration of the tap and/or computing a value representative of the local stiffness of the composite. The composite may be a power transmission belt or portion thereof with tensile cord reinforcement. The method is useful for comparing the degree of penetration of elastomer into the tensile cord for example in a cast polyurethane toothed belt.

No. of Pages : 17 No. of Claims : 15

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : A PROCESS FOR REDUCTION AND/OR REMOVAL OF FXI AND FXIA FROM SOLUTIONS CONTAINING SAID COAGULATION FACTORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:10191398.6 :16/11/2010 :EPO :PCT/EP2011/070257 :16/11/2011 :WO 2012/066036 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)OCTAPHARMA AG Address of Applicant :Seidenstrasse 2 CH 8853 Lachen Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)SCHULTZ Petra</li> <li>2)GRUBER Gerhard</li> <li>3)BAL Frederic</li> <li>4)MARKS Frank</li> <li>5)WINGE Stefan</li> </ul>
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#### (57) Abstract :

A process for reduction and/or removal of FXI and FXIa from a source solution containing said coagulation factors and as main components immunoglobulins comprising the following steps: a) contacting the FXI and/or FXIa containing solution with an affinity chromatographic gel wherein heparin or heparan is linked to the matrix material; b) allowing adsorption of FXI and/or FXIa and c)separation of the liquid deprived of FXI and/or FXIa from the adsorption media.

No. of Pages : 13 No. of Claims : 11

(21) Application No.3830/DELNP/2013 A

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : COSMETIC COMPOSITION FOR SKIN WHITENING COMPRISING RESVERATROL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication N</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:10014848.5 :22/11/2010 :EPO :PCT/EP2011/070392 :17/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)DSM IP ASSETS B.V. Address of Applicant :Het Overloon 1 NL 6411 Te Heerlen Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)BECK Mareike</li> <li>2)DEN BRAVE Kerstin</li> <li>3)FLORES CANDIA Juana Lucia</li> <li>4)LU Yingzi</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Use of UV filters if desired in combination with polyols to enhance dermal penetration of resveratrol in topical cosmetic compositions.

No. of Pages : 23 No. of Claims : 10

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ROTATIONALLY CONFIGURABLE BACKSHELL FOR AN ELECTRICAL CONNECTOR

(51) International classification	:H01R13/58,H01R13/658,H01R9/03	(71)Name of Applicant : 1)TYCO ELECTRONICS CORPORATION
(31) Priority Document No	:12/911111	Address of Applicant :1050 Westlakes Drive Berwyn PA
(32) Priority Date	:25/10/2010	19312 U.S.A.
(33) Name of priority country	y:U.S.A.	(72)Name of Inventor :
(86) International Application No Filing Date	:PCT/US2011/057503 :24/10/2011	1)MYONG Inho 2)YEE Keith Thomas
(87) International Publication	<sup>1</sup> :WO 2012/061072	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A backshell (60) for an electrical assembly (50) is provided. The backshell includes a shield termination body (114) having a connector end (116) and a relief end (118). The connector end is configured to join to a cable end (56) of an electrical connector (52). A face (117) of the connector end is oriented at an angle with respect to a face (121) of the relief end. A strain relief (124) is provided having a shield end (128) and a cable clamp end (126). A face (129) of the shield end is oriented at an angle with respect to a face (125) of the cable clamp end. The shield end is rotatably coupled to the relief end of the shield termination body. The shield end of the strain relief is rotatable with respect to the relief end of the shield termination body so that the face of the cable clamp end of the strain relief is positionable at variable angles with respect to the face of the connector end of the shield termination body.

No. of Pages : 33 No. of Claims : 10

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : CONTINUOUS PRODUCTION AND REACTION OF A DIAZO COMPOUND

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li></ul>	:C07C67/00,C07C69/78,C07C245/14 :10189601.7	<ul> <li>(71)Name of Applicant :</li> <li>1)DSM IP ASSETS B.V.</li> <li>Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen</li> </ul>
<ul><li>(32) Priority Date</li><li>(33) Name of priority</li><li>country</li></ul>	:01/11/2010 :EPO	Netherlands 2)DSM FINE CHEMICALS AUSTRIA NFG. GMBH & CO KG
(86) International Application No Filing Date	:PCT/EP2011/069186 :01/11/2011	<ul> <li>(72)Name of Inventor :</li> <li>1)REINTJENS Rafael Wilhelmus Elisabeth Ghislain</li> <li>2)DIELEMANS Hubertus Johannes Adrianus</li> </ul>
(87) International Publication No	:WO 2012/059485	3)THATHAGAR Mehul 4)KONINGS Jeroen Hubertina Gerardus
(61) Patent of Addition to Application Number Filing Date	:NA :NA	5)POECHLAUER Peter
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A process for producing a reaction product of a diazo compound which process comprises: a. continuously supplying to a first reactor a precursor of a diazo compound; a water miscible solvent; a base and water; b. mixing the precursor of a diazo compound; the water miscible solvent; the base and water to generate a diazo compound; c. continuously removing from the first reactor through a hydrophobic membrane into a second reactor the formed diazo compound; d. continuously removing from the first reactor all reaction products that have not passed into the second reactor; e. continuously supplying to the second reactor a substrate in a non water miscible solvent; f. mixing the above components to generate a reaction product of a diazo compound; and g. continuously removing from the second reactor the non water miscible solvent and the reaction product of the diazo compound and apparatus suitable for carrying out such a process.

No. of Pages : 22 No. of Claims : 14

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : APPARATUS FOR FILLING A CAVITY FILLING STATION AND METHOD OF FILLING A CAVITY

<ul> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(9) 2012/074422</li> <li>(9) 2012/074422</li> <li>(1) OWCZAREK Radoslaw</li> <li>(2) GIELNIEWSKI Adam</li> <li>(2) GIELNIEWSKI Adam</li> <li>(62) Divisional to Application Number</li> <li>(72) Name of Inventor :</li> <li>(72) OKCZAREK Radoslaw</li> <li>(73) GIELNIEWSKI Adam</li> </ul>	<b>IINERY POLAND</b> L 26 600 Radom
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#### (57) Abstract :

Apparatus and method for filling under gravity from a hopper (9) a storage device (2) for articles that has the form of a columnar cavity between opposed side walls with a mass flow of mutually parallel rod shaped articles descending from the hopper a cavity filling device (12) that alternates in use between a closed configuration that blocks a downward flow of the said articles through the device and an open configuration that allows flow of the articles through the device the device being movable in translation in alternate upward and downward strokes within the cavity being in the closed configuration on the downward stroke and in the open configuration on the upward stroke.

No. of Pages : 26 No. of Claims : 16

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : SOLID FORMS OF 3 (4 (AMINOMETHYL) 1 (5 METHYL 7H PYRROLO[2 3 D]PYRIMIDIN 4 YL)PIPERIDINE 4 CARBOXAMIDO)PHENYL DIMETHYLCARBAMATE

Application Number     :NA       Filing Date     :NA       (62) Divisional to     :NA       Application Number     :NA       Filing Date     :NA	(87) International Publication No (61) Patent of Addition to Application Number :NA	•	<ul> <li>(71)Name of Applicant :</li> <li>(71)Name of Applicant :</li> <li>(71)Name of Applicant :</li> <li>(71)Name of Applicant :8800 Technology Forest Place The Woodlands TX 77381 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>(72)Name of Inventor :</li> <li>(72)Name of Inventor :</li> </ul>
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(57) Abstract :

Solid forms of 3 (4 (aminomethyl) 1 (5 methyl 7H pyrrolo[2 3 d]pyrimidin 4 yl)piperidine 4 carboxamido)phenyl dimethylcarbamate and salts thereof are disclosed. Methods of its use to treat diseases and disorders of the eye are also disclosed.

No. of Pages : 18 No. of Claims : 18

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METHOD AND SYSTEM FOR CLIENT RECOVERY STRATEGY IN A REDUNDANT SERVER CONFIGURATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No :12/948493</li> <li>(32) Priority Date :17/11/2010</li> <li>(33) Name of priority country :U.S.A.</li> <li>(86) International Application PCT/US20 :10/11/2011</li> <li>Filing Date :WO 2012/0</li> <li>(61) Patent of Addition to Application Number in Sing Date</li> <li>(62) Divisional to Application Number in Sing Date</li> <li>(62) Divisional to Application Number in Sing Date</li> <li>(63) Name of Addition to in Sing Date</li> <li>(64) Patent of Addition to Application Number in Sing Date</li> <li>(65) Divisional to Application Number in Sing Date</li> <li>(65) Divisional to Application Number in Sing Date</li> <li>(65) Divisional to Application Sing Date</li> </ul>	11/060117	<ul> <li>(71)Name of Applicant :</li> <li>1)ALCATEL LUCENT Address of Applicant :3 avenue Octave Grard F 75007 Paris France</li> <li>(72)Name of Inventor :</li> <li>1)BAUER Eric</li> <li>2)EUSTACE Daniel W.</li> <li>3)ADAMS Randee Susan</li> </ul>
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#### (57) Abstract :

A method and system for client recovery strategy to maximize service availability for redundant configurations is provided. The technique includes adaptively adjusting timing parameter(s) detecting failures based on adaptively adjusted timing parameter(s) and switching over to a redundant server. The timing parameter(s) include a maximum number of retries response timers and keepalive messages. Switching over to alternate servers engaged in warm sessions with the client may also be implemented to improve performance. The method and system allow for improved recovery time and suitable shaping of traffic to redundant servers.

No. of Pages : 27 No. of Claims : 10

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : BIODEGRADABLE HYDROPHOBIC CELLULOSIC SUBSTRATES AND METHODS FOR THEIR PRODUCTION USING REACTIVE SILANES

country10.5.A.1)HABERMEHL James(86) International Application No Filing Date:PCT/US2011/036579 :16/05/20111)HABERMEHL James 2)SCHULZ William James Jr. 3)LEWIS Kevin Dale(87) International Publication No (61) Patent of Addition to Application Number Filing Date:WO 2012/0473123)LEWIS Kevin Dale(62) Divisional to Application Number Filing Date:NA :NA :NA:NA :NA:NA :NA	<b>FION</b> t Salzburg Road Midland MI
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(57) Abstract :

A method for rendering a substrate hydrophobic while maintaining its biodegradability includes treating the substrate with a reactive silane such that the reactive silane forms a resin in the interstitial spaces of the substrate. The method parameters are controlled such that the resulting hydrophobic cellulosic substrate is compostable.

No. of Pages : 24 No. of Claims : 20

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : BIODEGRADABLE HYDROPHOBIC CELLULOSIC SUBSTRATES AND METHODS FOR THEIR PRODUCTION USING HALOSILANES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C09D183/08,C09D4/00,D06M15/643 :61/390653 :07/10/2010 :U.S.A. :PCT/US2011/036581 :16/05/2011 :WO 2012/047313 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ul> <li>1)DOW CORNING CORPORATION</li> <li>Address of Applicant :2200 West Salzburg Road Midland MI</li> </ul> </li> <li>48686 0994 U.S.A. </li> <li>(72)Name of Inventor : <ul> <li>1)HABERMEHL James</li> <li>2)SCHULZ William James Jr.</li> <li>3)LEWIS Kevin Dale</li> </ul> </li> </ul>
Filing Date		

(57) Abstract :

A method for rendering a substrate hydrophobic while maintaining its biodegradability includes treating the substrate with a halosilane such that the halosilane forms a silicone resin in the interstitial spaces of the substrate. The method parameters can be controlled such that the resulting hydrophobic cellulosic substrate is compostable.

No. of Pages : 25 No. of Claims : 44

(22) Date of filing of Application :01/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : LIQUID OR HYDRAULIC BLOW MOLDING

<ul> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> </ul>	:PCT/US2011/054584 :03/10/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)AMCOR LIMITED Address of Applicant :109 Burwood Road Hawthorn Victoria</li> <li>3122 Australia</li> <li>(72)Name of Inventor :</li> <li>1)ANDISON David</li> <li>2)LISCH George David</li> <li>3)MAKI Kirk Edward</li> <li>4)EBERLE Theodore F.</li> <li>5)CORN James R.</li> <li>6)COOPER Robert A.</li> <li>7)PATCHEAK Terry D.</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	<sup>h</sup> :NA :NA	

(57) Abstract :

An apparatus and method for simultaneously forming and filling a plastic container is provided. A mold cavity defines an internal surface and is adapted to accept a preform. A pressure source is a servo motor system that includes an inlet. The servo motor system is operable to draw liquid through the inlet and urged it into the preform. A blow nozzle may be adapted to receive the liquid from the pressure source and transfer the liquid at high pressure into the preform thereby urging the preform to expand toward the internal surface of the mold cavity and create a resultant container. The liquid remains within the container as an end product.

No. of Pages : 27 No. of Claims : 22

(19) INDIA

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:G01J5/20,G01J5/02	(71)Name of Applicant :
(31) Priority Document No	:61/391996	1)UD HOLDINGS LLC
(32) Priority Date	:11/10/2010	Address of Applicant :7636 Amboy St. Dearborn Heights
(33) Name of priority country	:U.S.A.	Michigan 48127 U.S.A.
(86) International Application No	:PCT/US2011/055220	(72)Name of Inventor :
Filing Date	:07/10/2011	1)KRYSKOWSKI David
(87) International Publication No	:WO 2012/051060	
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (54) Title of the invention : SUPERLATTICE QUANTUM WELL INFRARED DETECTOR

(57) Abstract :

In at least one embodiment an infrared (IR) sensor comprising a thermopile is provided. The thermopile comprises a substrate and an absorber. The absorber is positioned above the substrate and a gap is formed between the absorber and the substrate. The absorber receives IR from a scene and generates an electrical output indicative of a temperature of the scene. The absorber is formed of a super lattice quantum well structure such that the absorber is thermally isolated from the substrate. In another embodiment a method for forming an infrared (IR) detector is provided. The method comprises forming a substrate and forming an absorber with a plurality of alternating first and second layers with a super lattice quantum well structure. The method further comprises positioning the absorber about the substrate such that a gap is formed to cause the absorber to be suspended about the substrate.

No. of Pages : 42 No. of Claims : 30

(21) Application No.3819/DELNP/2013 A

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : CONTINUOUS PROCESS FOR ESTERIFYING POLYMERS BEARING ACID GROUPS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:C08F8/14,C08F20/06,C08F22/02 :10 2010 056 566.0 :30/12/2010 :Germany :PCT/EP2011/006175 :08/12/2011 :WO 2012/089299 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CLARIANT FINANCE (BVI) LIMITED Address of Applicant :Citco Building Wickhams Cay P.O. Box 662 Road Town Tortola British Virgin Islands</li> <li>(72)Name of Inventor :</li> <li>1)KRULL Matthias</li> <li>2)MORSCHH,,USER Roman</li> </ul>
No (61) Patent of Addition to Application Number Filing Date	:NA	

#### (57) Abstract :

The invention accordingly provides a continuous process for reacting synthetic poly(carboxylic acid)s (A) containing, per polymer chain, at least 10 structural repeat units of formula (I) where R1 is hydrogen, a Ci- to -alkyl group or a group of formula -COOH, R2 is hydrogen or a - to C -alkyl group, and R3 is hydrogen, a Ci- to C -alkyl group or -COOH, with alcohols (B) of general formula (II) R - (OH) (II) where R4 is a hydrocarbyl radical of 1 to 100 carbon atoms which may be substituted or which may contain hetero atoms, and n is a number from 1 to 10 by a reaction mixture containing at least one synthetic poly(carboxylic acid) (A) and at least one alcohol of formula (P) in a solvent mixture containing water and, based on the weight of the solvent mixture, 0.1 - 75% by weight of at least one water-miscible organic solvent, and wherein the organic solvent has a dielectric constant of at least 10 when measured at 25°C, being introduced into a reaction sector and on flowing through the reaction sector being exposed to microwave radiation, and wherein the reaction mixture in the reaction sector is heated by the microwave irradiation to temperatures above 100°C.

No. of Pages : 41 No. of Claims : 20

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : POLYMERS COMPRISING HYDROXYL GROUPS AND ESTER GROUPS AND METHOD FOR THE PRODUCTION THEREOF

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:C08F8/14,C08G81/02,B01J19/12 :10 2010 056 578.4 :30/12/2010 :Germany	<ul> <li>(71)Name of Applicant :</li> <li>1)CLARIANT FINANCE (BVI) LIMITED Address of Applicant :Citco Building Wickhams Cay P.O. Box 662 Road Town Tortola VIRGIN ISLANDS</li> </ul>
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:PCT/EP2011/006176 :08/12/2011 :WO 2012/089300	<ul> <li>(72)Name of Inventor :</li> <li>1)KRULL Matthias</li> <li>2)MORSCHH,,USER Roman</li> <li>3)SCHOLZ Hans J¼rgen</li> <li>4)STOCK Jochen</li> </ul>
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

The invention relates to polymers comprising ester/hydroxyl groups, containing repetitive structural units of formulae (I) and (II) in blocks, alternatively or statistically in her Abfolge (I), (II) wherein D represents a direct bond between the polymer backbone and the hydroxyl group, a C-l-to C6-alkylene group, a C5- to C12-arylene group, a oxyalkylene group of formula -0-R2-, an ester group of formula -C(0)-0-R2- or an amide group of formula -C(0)-N(R3)R2-, E represents a hydrocarbon group having 1 to 10 Catoms, R1 represents hydrogen, a hydrocarbon group having 1 to 50 C-atoms or an acyl group of formula -C(0)-R4, R2 represents a C2- to ClO-alkylene group, k represents a number between 1 and 100, n represents a number from 0 to 4999, m represents a c2- to ClO-alkylene group, k represents a number from 10 to 5000, under the proviso that a) the molar fraction of the structural units (I) on the polymer is between 0 and 99,9 mol-%, and b) the molar fraction of the structural units (II) on the polymer is between 0 and 99,9 mol-%, and b) the molar fraction of the production of said polymers by exposing a polymer reaction mixture containing hydroxyl groups and ether carbon esters to microwaves

No. of Pages : 48 No. of Claims : 30

(21) Application No.3910/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METHOD AND APPARATUS FOR CONTROLLING COMBUSTION IN A COMBUSTION BOILER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:F23N3/00 :10 2010 052 404.2 :24/11/2010 :Germany :PCT/EP2011/070735 :23/11/2011 :WO 2012/069502 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CLYDE BERGEMANN DRYCON GMBH Address of Applicant :Schillwiese 20 46485 Wesel Germany</li> <li>(72)Name of Inventor :</li> <li>1)LUDWIG Ralph</li> <li>2)MUELLER Christian</li> </ul>
Filing Date	:NA	

(57) Abstract :

Method for controlling the combustion of fuel (1) in a combustion boiler (2), comprising at least the following steps: a) a desired combustion air quantity for the combustion of the fuel (1) in the combustion boiler (2) is determined, b) a combustion air quantity which is available for the combustion of the fuel (1) in the combustion boiler (2) is determined, c) at least one combustion air inflow (16) is controlled by at least one material output opening (3) or at least one appliance opening in the combustion boiler (2), in order to at least partially match the combustion air quantity available in the combustion boiler (2) to the desired combustion air quantity

No. of Pages : 17 No. of Claims : 7

#### (19) INDIA

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : HYGIENE CO	OMPLIANCE MODULE	
<ul> <li>(54) Title of the invention : HYGIENE CO</li> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:A47K5/12 :12/941287 :08/11/2010 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)GOJO INDUSTRIES INC.</li> <li>Address of Applicant :One GOJO Plaza Suite 500 P.O. Box</li> <li>991 Akron Ohio 44309 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)WEGELIN Jackson</li> <li>2)ARCHER Matthew</li> </ul>
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A hygiene compliance module is configured to be retrofit with a compatible dispenser to enable hygiene compliance monitoring functions. The hygiene compliance module is configured to be coupled to the dispenser via a communication interface to receive power ground and dispenser actuation signals therefrom. In addition the hygiene compliance module is enabled to communicate with a wireless data tag that is worn by a user of the dispenser and with a remote hygiene compliance monitoring station.

No. of Pages : 25 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:F17C3/04	(71)Name of Applicant :
(31) Priority Document No	:2010252895	1)IHI Corporation
(32) Priority Date	:11/11/2010	Address of Applicant :1 1 Toyosu 3 chome Koto ku Tokyo
(33) Name of priority country	:Japan	1358710 Japan
(86) International Application No	:PCT/JP2011/076060	(72)Name of Inventor :
Filing Date	:11/11/2011	1)TAKAHASHI Masaki
(87) International Publication No	:WO 2012/063937	2)SUZUKI Hidenori
(61) Patent of Addition to Application	:NA	3)NAGUMO Satoru
Number		4)IWANO Akira
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) 11 (		

#### (54) Title of the invention : BLANKET INSTALLATION METHOD

(57) Abstract :

The present invention provides a blanket installation method hav ing: a transport step for transporting, in a suspended state, a blanket unit (1) formed from integrally connecting a blanket (2) and a transportation jig (3) to the space between the inner tank (60) and outer tank of a double-walled tank; and an attachment step for attaching the blanket unit to the side wall of the inner tank. By means of the present invention, it is possible to increase safety and work efficiency during blanket installation work.

No. of Pages : 20 No. of Claims : 9

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : MULTI SPECIFIC ANTIGEN BINDING MOLECULE HAVING ALTERNATIVE FUNCTION TO FUNCTION OF BLOOD COAGULATION FACTOR VIII

#### (57) Abstract :

Various bispecific antibodies that specifically bind to both blood coagulation factor IX/activated blood coagulation factor IX and blood coagulation factor X and functionally 5 substitute for the cofactor function of blood coagulation factor VIII, that is, the function to promote activation of blood coagulation factor X by activated blood coagulation factor IX, were produced. From these antibodies, multispecific antigen-binding molecules having a high activity of fonctionally substituting for blood coagulation factor VIII were successfully discovered.

No. of Pages : 300 No. of Claims : 29

(19) INDIA

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:H02B1/01	(71)Name of Applicant :
(31) Priority Document No	:2010904694	1)ELSTEEL (PRIVATE) LTD
(32) Priority Date	:21/10/2010	Address of Applicant :R&D Department Spur Road 2 Phase
(33) Name of priority country	:Australia	EPZ Katunayake 11420 Sri Lanka
(86) International Application No	:PCT/IB2011/054711	(72)Name of Inventor :
Filing Date	:21/10/2011	1)LOGSTRUP Erik
(87) International Publication No	:WO 2012/052969	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) 11 .		

#### (54) Title of the invention : A THREE DIMENSIONAL STRUCTURE

(57) Abstract :

The invention involve a three dimensional structure or a framework which can be use as the base for an enclosure to house electrical equipment or other related peripherals. The novelty of this structure is that it caters to both low and medium voltage equipment with no added adjustments or fitting required and also provides the user with a enhanced set of alternatives and options to fit the various electrical accessories without having to resort to an additional enclosure and can also expand the mentioned construction to suit his physical and economic needs.

No. of Pages : 27 No. of Claims : 15

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classificatio</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:PCT/DE2011/050040 :05/10/2011 :WO 2012/052006 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ACES GmbH Address of Applicant :Ludwigstr. 26 70794 Filderstadt Germany</li> <li>(72)Name of Inventor :</li> <li>1)TRAUTWEIN Frank</li> <li>2)HEUER Frank</li> <li>3)FRANKE Jrg</li> <li>4)KOTHE Ralph</li> <li>5)LILJENQVIST Ulf</li> <li>6)MATG‰ Guy</li> <li>7)PUTZIER Michael</li> </ul>
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#### (54) Title of the invention : INTERVERTEBRAL MEDICAL IMPLANT

(57) Abstract :

The fusion of two vertebrae is one of the most common procedures in spinal surgery. The invention relates to a spinal implant composed of a plurality of parallel plates. The deliberate introduction of contours in the plates allows for the creation of biomechanically advantageous functions and adjustment options that cannot be provided in any other manner or only at a high cost. The elasticity of the anchoring elements enables the disclosed implant to be adjusted to the osseous endplates, resulting in uniform force distribution and thus prevention of the risk of compaction I or endplate compression fracture. The plate structure allows for the use of production methods in which hook-like undercut contours can be created, thus enabling the implant to be superbly anchored in the bone without causing damage thereto. Furthermore, the plates can be interconnected by an actuator in such a way that the height and/or the angular position can be adjusted, thus enabling the intervertebral disk space to be vertically and physically adjusted. The vertical adjustment can vary along the length of the implant such that the segment can also be angularly adjusted. If the plates are interconnected by an eccentric shaft, the combined vertical and translational movement to which the set of plates is subjected can also be used to translationally reposition two vertebrae.

No. of Pages : 30 No. of Claims : 18

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : END FED LIQUID FUEL GALLERY FOR A GAS TURBINE FUEL INJECTOR

<ul> <li>(32) Priority Date :10/1</li> <li>(33) Name of priority country :U.S</li> <li>(86) International Application No:PCT Filing Date :12/1</li> <li>(87) International Publication No :WO</li> <li>(61) Patent of Addition to Application Number :NA Filing Date :NA</li> <li>(62) Divisional to Application :NA</li> </ul>	TT/US2011/055853 /10/2011 O 2012/064452 A	<ol> <li>SOLAR TURBINES INCORPORATED Address of Applicant :2200 Pacific Highway San Diego CA</li> <li>5376 U.S.A.</li> <li>Name of Inventor :         <ol> <li>LOCKYER John Frederick</li> <li>TWARDOCHLEB Christopher Zdzislaw</li> <li>ABREU Mario Eugene</li> </ol> </li> </ol>
Filing Date :NA	Α	

#### (57) Abstract :

A fuel injector (30) for a gas turbine engine (100) may include an injector housing (48) extending along a longitudinal axis (88) and configured to be fluidly coupled to a combustor (50) of the turbine engine. The fuel injector may also include a flow path (42) for a fuel air mixture to the combustor extending longitudinally within the injector housing and a gallery (56) for liquid fuel encircling the flow path. The gallery may include a plurality of fuel spokes (54a 54b 54c 54d 54e) that are configured to deliver liquid fuel from the gallery to the flow path. The gallery may extend from a feed end (56a) to a terminal end (56b) that overlaps the feed end. The feed end may be a region where liquid fuel enters the gallery and the terminal end may be a region where the gallery terminates.

No. of Pages : 20 No. of Claims : 10

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : POLYCONDENSATION CATALYSTS FOR POLYESTER PRODUCTION AND PROCESS FOR PRODUCING POLYESTER RESIN WITH THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filed on</li> </ul>	:C08G :2005-014379 :21/01/2005 :Japan :PCT/JP2006/300843 :20/01/2006 : NA :NA :NA :NA :S573/DELNP/2007 :18/07/2007	<ul> <li>(71)Name of Applicant :</li> <li>1)MITSUBISHI CHEMICAL CORPORATION Address of Applicant :14-1, Shiba 4-chome, Minato-ku, Tokyo 108-0014, Japan</li> <li>(72)Name of Inventor :</li> <li>1)Michio HIGASHIJIMA</li> <li>2)Yutaka YATSUGI</li> <li>3)Naoki YUKITA</li> <li>4)Motohiro MUNAKATA</li> </ul>
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(57) Abstract :

A catalyst for polyester polycondensation which comprises a titanium atom, an alkaline earth metal atom and a phosphorus atom and has a specific constitution; and a polyester resin and a formed article obtained by using the catalyst. The above catalyst exhibits high reactivity, is excellent in the storage stability for a long period of time, can be commercially produced with ease at an advantageous cost.

No. of Pages : 135 No. of Claims : 14

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ANTIOXIDANT AND METHOD FOR PRODUCING METAL MATERIAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	n :C23D5/00,C09K15/02,C21D1/70 :2010239950 :26/10/2010 :Japan :PCT/JP2011/066013 :13/07/2011 :WO 2012/056771 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>NIPPON STEEL &amp; SUMITOMO METAL</li> </ol> </li> <li>CORPORATION <ul> <li>Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku</li> </ul> </li> <li>Tokyo 1008071 Japan</li> <li>(72)Name of Inventor : <ul> <li>SHIMODA Kazuhiro</li> <li>MATSUMOTO Keishi</li> </ul> </li> <li>3)HIDAKA Yasuyoshi <ul> <li>YAMAKAWA Tomio</li> <li>SAKIYAMA Shuichi</li> <li>KATO Takahisa</li> </ul> </li> </ul>
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(57) Abstract :

There is provided an antioxidant agent excellent in antidripping property and anti-peeling property. The antioxidant agent in accordance with the present invention contains a plurality of glass frits having different softening points, potters clay, and bentonite and/or sepiolite. On account of the potters clay, the antioxidant agent applied to the surface of a metallic starting material is less liable to drip down. Further, on account of the bentonite and/or sepiolite, the antioxidant agent is less liable to peel off the surface of the metallic starting material.

No. of Pages : 52 No. of Claims : 8

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : SYSTEM AND METHOD FOR IDENTIFYING THE LIKELIHOOD OF A TOWER STRIKE WHERE A ROTOR BLADE STRIKES THE TOWER OF A WIND TURBINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:1018502.3 :02/11/2010 :U.K.	<ul> <li>(71)Name of Applicant :</li> <li>1)VESTAS WIND SYSTEMS A/S Address of Applicant :Hedeager 44 DK 8200 Aarhus N Denmark</li> <li>(72)Name of Inventor :</li> <li>1)OLESEN Ib Svend</li> <li>2)GLAVIND Lars</li> </ul>
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#### (57) Abstract :

A system for identifying the likelihood of a wind turbine rotor blade striking a wind turbine tower comprises a device for sensing bending of a wind turbine rotor blade and a device for sensing bending of a wind turbine tower. In a preferred embodiment Long Period Grating (LPG) sensors are used to measure bending of the tower. Preferably a plurality of LPG sensors is provided along the length of the blade. In one embodiment at least one of the LPG sensors comprises two sensing elements arranged to sense in perpendicular directions. In another embodiment a plurality of LPG sensors are provided each on different sides of the wind turbine tower. A processor uses the sensed blade and tower bending to determine whether the distance between the blade and the tower will be below a predetermined minimum value. If the distance is determined to be below the predetermined minimum value a controller may be used to adjust a wind turbine variable to reduce loading on the blade and thereby reduce the likelihood of a tower strike.

No. of Pages : 20 No. of Claims : 26

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PHARMACEUTICAL COMBINATIONS FOR THE TREATMENT OF METABOLIC DISORDERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> <li>(62) Application Number Filing Date</li> </ul>	:A61K31/155,A61K31/422,A61K31/427 :61/409241 :02/11/2010 :U.S.A. :PCT/EP2011/068938 :28/10/2011 :WO 2012/059416 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BOEHRINGER INGELHEIM INTERNATIONAL</li> <li>GMBH <ul> <li>Address of Applicant :Binger Strasse 173 55216 Ingelheim</li> </ul> </li> <li>Am Rhein Germany</li> <li>(72)Name of Inventor : <ul> <li>1)HAMILTON Bradford S.</li> <li>2)RAUCH Thomas</li> <li>3)TSUTSUMI Manami</li> </ul> </li> </ul>
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(57) Abstract :

The invention relates to a pharmaceutical composition comprising 1.a and/or 1.b according to claim 1 in combination with at least one second therapeutic agent 2 which is suitable in the treatment or prevention of one or more conditions selected from type 1 diabetes mellitus type 2 diabetes mellitus impaired glucose tolerance and hyperglycemia. In addition the present invention relates to methods for preventing or treating of metabolic disorders and related conditions.

No. of Pages : 52 No. of Claims : 18

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : VOLTAGE REGULATOR DEVICE FOR A ROTARY ELECTRIC MACHINE BEARING FOR SUCH A MACHINE EQUIPPED WITH SUCH A DEVICE AND SUCH A MACHINE COMPRISING SUCH A BEARING

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:H02K5/18,H02K9/02,H02K9/28 :1060779 :20/12/2010	<ul> <li>(71)Name of Applicant :</li> <li>1)VALEO EQUIPEMENTS ELECTRIQUES MOTEUR Address of Applicant :2 rue Andr Boulle F 94046 Creteil</li> </ul>
(33) Name of priority country	:France	Cedex France
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication No</li> </ul>	:PCT/FR2011/053042 :19/12/2011 o:WO 2012/085421	<ul> <li>(72)Name of Inventor :</li> <li>1)WALME Beno®t</li> <li>2)DUGUE Christophe</li> <li>3)LECOLE Brice</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	4)TISSERAND Pierre
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a voltage regulator device for a rotary electrical machine notably an alternator and/or alternator starter of a motor vehicle said regulator device (14) comprising one or more electronic components (28) able to contribute to controlling said electric machine a heat sink (30) having parallel heat dissipating vanes (32) said heat sink being in a heat exchange relationship with said component or components and a support (34) on which said heat sink is positioned. Said support is able to be mounted on the electric machine in such a way that the vanes of the heat sink can orient an air flow towards a region of depression provided between said support and said machine. The invention also relates to a bearing of an electric machine equipped with a such a device and to an electric machine equipped with such a bearing.

No. of Pages : 37 No. of Claims : 24

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METHOD FOR MODIFYING POLYMERS COMPRISING HYDROXYL GROUPS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application N Filing Date</li> <li>(87) International Publication N</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:08/12/2011 o :WO 2012/089296 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CLARIANT FINANCE (BVI) LIMITED Address of Applicant :Citco Building Wickhams Cay P.O. Box 662 Road Town Tortola VIRGIN ISLANDS</li> <li>(72)Name of Inventor :</li> <li>1)KRULL Matthias</li> <li>2)MORSCHH,,USER Roman</li> <li>3)SCHOLZ Hans J<sup>1</sup>/<sub>4</sub>rgen</li> </ul>
	:NA :NA	

(57) Abstract :

The invention relates to a method for reacting polymers (A) comprising hydroxyl groups and which have repetitive structural units of general formula (I), wherein D represents a direct bond between the polymer backbone and a hydroxyl group, a Ci-to C-alkene group, a C5- to C i2-arylene group, an oxyalkylene group of formula -O-R 2-, an ester group of formula -C(0)-0-R 2- or an amide group of formula -C(0)-N(R)R2-, R2 represents a C2- to Go-alkene group, R8 represents hydrogen or an optionally substituted C2- to Cio-alkyl group and n represents a number between 3 and 5000, with carboxylic acids B1) of formula (P) or carboxylic acid esters B2) of formula (II) R-COOH (II) R-COOR 7 (III), wherein R 1 represents a hydrocarbon group having 2 to 50 C atoms, and R7 represents a CiC 4-alkyl group, in which the polymers (A) comprising the hydroxyl groups are exposed to o microwaves in the presence of carboxylic acid esters of formula (III) and in the presence of water. The reaction mixture is heated to temperatures over 100 °C by microwave rays.

No. of Pages : 46 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :02/05/2013

(54) Title of the invention : EXERCISE DEVICE

#### (43) Publication Date : 21/11/2014

(51) International classification	:A63B21/072,A63B23/14	(71)Name of Applicant :
(31) Priority Document No	:61/391528	1)SHAH Shalin N.
(32) Priority Date	:08/10/2010	Address of Applicant :6980 Woodglen Drive Hughesville
(33) Name of priority country	:U.S.A.	Maryland 20637 U.S.A.
(86) International Application No	:PCT/US2011/055224	(72)Name of Inventor :
Filing Date	:07/10/2011	1)SHAH Shalin N.
(87) International Publication No	:WO 2012/048198	
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In general an exercise device includes a handle having a first end and a second end. A curved member is coupled to the first end of the handle. A movable member is coupled to the curved member with the movable member configured to travel along a length of the curved member where the movable member has a first portion and a second portion and the second portion is configured to move relative to the first portion. An elongate member has a first end and a second end and the first end of the elongate member is coupled to the second portion of the movable member. A weight is coupled to the second end of the elongate member.

No. of Pages : 34 No. of Claims : 25

(21) Application No.3925/DELNP/2013 A

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : FLAME RETARDING OLIGOMERIC BROMINATED URETHANE COMPOSITIONS

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:C08G18/38,C08K5/05,C08K5/00 :61/408102 :29/10/2010 :U.S.A. :PCT/US2011/058288 :28/10/2011 :WO 2012/058538 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LUBRIZOL ADVANCED MATERIALS INC. Address of Applicant :9911 Brecksville Road Cleveland Ohio</li> <li>44141 3247 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)LUBNIN Alexander V.</li> <li>2)CHOU Ti</li> </ul>
Number	:NA :NA	

(57) Abstract :

The flame retarding properties of polymeric compositions are selectively enhanced without adversely affecting other properties of these materials to any significant degree by including in the compositions oligomeric urethanes with high bromine content.

No. of Pages : 45 No. of Claims : 29

#### (19) INDIA

(22) Date of filing of Application :02/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : ISOLATOR DECOUPLER

<ul> <li>(51) International</li> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> </ul>	:F16H55/36,F16D3/10,F16F15/121 :12/928537 :14/12/2010 :U.S.A. :PCT/US2011/063643 :07/12/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)THE GATES CORPORATION <ul> <li>Address of Applicant :(a Delaware Corporation) 1551</li> </ul> </li> <li>Wewatta Street Denver CO 80202 U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)HODJAT Yahya</li> </ul> </li> </ul>
(87) International Publication No	:WO 2012/082479	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An isolating decoupler comprising a pulley (30) having a pulley inner surface (300) a hub (20) having a radially extending arm (21) the radially extending arm having a frictional surface (211) slidingly engaged with the pulley inner surface a spring (41) fixed to the pulley the spring being intermittently engageable with the radially extending arm an elastomeric member (61) disposed between the spring and the radially extending arm; and the radially extending arm being intermittently engageable with a pulley stop (301).

No. of Pages : 16 No. of Claims : 12

(21) Application No.3837/DELNP/2013 A

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : USE OF UV FILTERS TO STABILIZE RESVERATROL IN TOPICAL COSMETIC COMPOSITIONS

(57) Abstract :

Use of UV filters to stabilize resveratrol in topical cosmetic compositions and to improve the efficacy of topical cosmetic skin whitening compositions containing resveratrol as skin whitening agent.

No. of Pages : 15 No. of Claims : 10

(21) Application No.3929/DELNP/2013 A

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DRUG ELUTING SELF RETAINING SUTURES AND METHODS RELATING THERETO

(51) International classification	:A61B17/04,A61L17/14,D02J3/00	(71)Name of Applicant :
(31) Priority Document No	:61/409731	1)ANGIOTECH PHARMACEUTICALS INC.
(32) Priority Date	:03/11/2010	Address of Applicant :1618 Station Street Vancouver British
(33) Name of priority country	:U.S.A.	Columbia V6A 1B6 Canada
(86) International Application	:PCT/US2011/059238	2)TISSUEGEN INC.
No	:03/11/2011	(72)Name of Inventor :
Filing Date	.03/11/2011	1)GROSS Jeffrey M.
(87) International Publication	:WO 2012/061658	2)DRUBETSKY Lev
No	. WO 2012/001038	3)NAIMAGON Alexander
(61) Patent of Addition to	:NA	4)AVELAR Rui
Application Number	:NA	5)DAGOSTINO William L.
Filing Date	.INA	6)NELSON Kevin Don
(62) Divisional to Application	:NA	7)CROW Brent B.
Number	:NA :NA	8)GRIFFIN Nickolas B.
Filing Date	.114	

(57) Abstract :

A drug eluting self retaining suture comprises a filament a plurality of retainers and a drug impregnated in or coated on the filament. The shape and distribution of retainers modifies the in vivo release kinetics of the drug. The drug release kinetics may be modified uniformly or region by region. The self retaining suture may for example be used for reattaching severed nerves and release nerve growth factor or other regeneration accelerating agents into the region of the nerve injury.

No. of Pages : 97 No. of Claims : 42

(19) INDIA

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : SILICONE HYDROGEL REACTIVE MIXTURES COMPRISING BORATES			
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Potent of Addition to Application</li> </ul>	:G02B1/04 :61/410003 :04/11/2010 :U.S.A. :PCT/US2011/058528 :31/10/2011 :WO 2012/064538	<ul> <li>(71)Name of Applicant :</li> <li>1)JOHNSON &amp; JOHNSON VISION CARE INC. Address of Applicant :7500 Centurion Parkway Jacksonville FL 32256 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)VANDERLAAN Douglas G.</li> <li>2)FORD James D.</li> </ul>	
(61) Patent of Addition to Application Number Filing Date	:NA :NA		
(62) Divisional to Application Number Filing Date	:NA :NA		

(57) Abstract :

Disclosed in this specification is a method for forming a silicone hydrogel material that is useful for forming contact lens materials. The method includes using an effective amount of a borate additive to reduce the gel time of the silicone hydrogel reactive mixture and/or enhance the optical properties of the resulting cured material.

No. of Pages : 65 No. of Claims : 36

(19) INDIA

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : A METHOD FOR CONTROLLING A SUPPLY OF REFRIGERANT TO AN EVAPORATOR

#### (57) Abstract :

A method for controlling a supply of refrigerant to an evaporator (5) of a vapour compression system (1) such as a refrigeration system an air condition system or a heat pump is disclosed. The vapour compression system (1) comprises an evaporator (5) a compressor (2) a condenser (3) and an expansion device (4) arranged in a refrigerant circuit. The method comprises the steps of: Actuating a component such as an expansion valve (4) a fan or a compressor (2) of the vapour compression system (1) in such a manner that a dry zone in the evaporator (5) is changed; measuring a temperature signal representing a temperature of refrigerant leaving the evaporator (5); analysing the measured temperature signal e.g. including deriving a rate of change signal; determining a temperature value where a gain of a transfer function between the actuated component and the measured temperature drops from a maximum value to a minimum value in a decreasing temperature direction; defining the determined temperature value as corresponding to a zero superheat (SH=0) value of refrigerant leaving the evaporator (5) and controlling a supply of refrigerant to the evaporator (5) in accordance with the defined SH=0 temperature value and on the basis of the measured temperature signal. The method allows the SH=0 point to be determined purely on the basis of the measured temperature signal. Subsequently the supply of refrigerant to the evaporator (5) can be controlled purely on the basis of the measured temperature signal.

No. of Pages : 26 No. of Claims : 14

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : NOVEL PYRIDYL BENZOXAZINE DERIVATIVES PHARMACEUTICAL COMPOSITION COMPRISING THE SAME AND USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No.</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:13/10/2010 :Republic of Korea :PCT/KR2011/007635 :13/10/2011 :WO 2012/050380	<ul> <li>(71)Name of Applicant :</li> <li>1)DAEWOONG PHARMACEUTICAL CO. LTD. Address of Applicant :223 23 Sangdaewon dong Chungwon gu Sungnam si Gyeonggi do 462 120 Republic of Korea</li> <li>(72)Name of Inventor :</li> <li>1)KIM Ji Duck</li> <li>2)YOON Hong Chul</li> <li>3)KIM In Woo</li> <li>4)CHO Min Jae</li> <li>5)LEE In Young</li> <li>6)LEE Sang Ho</li> <li>7)PARK Eun Kyung</li> <li>8)LIM Kwon Jo</li> <li>9)NAM Sang Hyun</li> </ul>
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#### (57) Abstract :

Discloses is a benzoxazine benzimidazole derivative represented by Chemical Formula 1 functioning as an antagonist to the vanilloid receptor 1 a pharmaceutical composition comprising the same and the use thereof. The benzoxazine benzimidazole derivative can be useful for preventing or treating a disease associated with antagonistic activity of vanilloid receptor 1 without hyperthermia.

No. of Pages : 51 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : SELF STEER	ING RAILWAY BOGIE	
<ul> <li>(54) Title of the invention : SELF STEER</li> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:B61F5/38 :2010/07516 :01/11/2010 :South Africa	<ul> <li>(71)Name of Applicant :</li> <li>1)RSD A DIVISION OF DCD DORBYL (PTY) LIMITED Address of Applicant :Ring Road Duncanville 1939 Vereeniging South Africa</li> <li>(72)Name of Inventor :</li> <li>1)SMIT Patrick Henri</li> </ul>
Filing Date	:NA	

(57) Abstract :

The invention relates to railway bogies and more particularly but not exclusively to a self steering bogie for a locomotive. In accordance with the invention there is provided a self steering railway bogie (1) comprising leading and trailing wheelset (2.4) having two ends (3 5) and a frame for limiting the movement of the wheelset ends. The bogie is provided with a number of fluid cylinders (7) attached between the wheelset ends and the frame and fluid flow means (8) between the cylinders allowing wheelsets to yaw inversely relative to each other and restricting other relative movement of the wheelsets.

No. of Pages : 31 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR IMPROVING THE IMMUNITY OF A COMPANION ANIMAL (51) International classification :A23K1/16,A23K1/18 (71)Name of Applicant : (31) Priority Document No :12/939594 **1)THE IAMS COMPANY** (32) Priority Date Address of Applicant : One Procter & Gamble Plaza Cincinnati :04/11/2010 (33) Name of priority country Ohio 45202 U.S.A. :U.S.A. (86) International Application No :PCT/US2011/058861 (72)Name of Inventor : Filing Date :02/11/2011 1)MASSIMINO Stefan Patrick (87) International Publication No :WO 2012/061446 2) DAVENPORT Gary Mitchell (61) Patent of Addition to Application 3)ZHANG Jin :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract :

A method of improving the immunity of a companion animal. The method can include administering to the companion animal a glucose anti metabolite. The glucose anti metabolite can be 2 deoxy D glucose; 5 thio D glucose; 3 O methylglucose; 1 5 anhydro D glucitol; 2 5 anhydro D glucitol; 2 5 anhydro D mannitol; mannoheptulose; and mixtures and combinations thereof. The companion animal can be a dog or a cat. Improving the immunity can include altering the proliferative ability of T and B immune cells and altering the relative distribution of immune cell phenotypes for example.

No. of Pages : 28 No. of Claims : 15

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : FORMULATIONS COMPRISING POLYETHYLENE GLYCOL

<ul> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:A61K9/20,A61P1/10,A61K31/765 :1018647.6 :04/11/2010 :U.K. :PCT/GB2011/001560 :04/11/2011 :WO 2012/059724 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)NORGINE BV Address of Applicant :Hogehilweg 7 NL 1101 CA Amsterdam Zuid Oost Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)STEIN Peter</li> <li>2)COX Ian</li> <li>3)SMITH Samuel</li> <li>4)JONES Leighton</li> <li>5)PLESSL Jrg</li> </ul>
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(57) Abstract :

The present invention concerns a solid formulation for oral administration as a solid comprising polyethylene glycol and a further solid such as mannitol. The formulation may be used to prevent gastrointestinal disorders such as constipation in healthy subjects. In some embodiments the solid formulation is chewable or suckable.

No. of Pages : 39 No. of Claims : 32

(19) INDIA

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : COMPOSITE MARKING BASED ON CHIRAL LIQUID CRYSTAL PRECURSORS (51) International classification :C09K19/54,C09K19/58 (71)Name of Applicant : (31) Priority Document No :PCT/EP2010/069038 1)SICPA HOLDING SA (32) Priority Date Address of Applicant : Av. de Florissant 41 CH 1008 Prilly :07/12/2010 (33) Name of priority country :EPO Switzerland (86) International Application No (72)Name of Inventor : :PCT/EP2011/071936 1)CALLEGARI Andrea Filing Date :06/12/2011 (87) International Publication No :WO 2012/076534 2) JAUZEIN Tristan (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract :

The invention relates to a substrate having thereon a marking or layer comprising a cured chiral liquid crystal precursor composition wherein the chiral liquid crystal precursor composition comprises at least one salt that changes the position of a selective reflection band exhibited by the cured composition compared to a position of a selective reflection band exhibited by a cured composition that does not contain the at least one salt and wherein a modifying resin made from one or more polymerizable monomers is disposed between the substrate and the marking or layer and in contact with the marking or layer in one or more areas thereof the modifying resin changing a position of the selective reflection band exhibited by the cured chiral liquid crystal precursor composition comprising the at least one salt on the substrate in the one or more areas.

No. of Pages : 66 No. of Claims : 61

(19) INDIA

Filing Date

Filing Date

Filing Date

Number

(87) International Publication No

(61) Patent of Addition to Application

(62) Divisional to Application Number

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

**1)FELLMETH Reiner** 

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6)STOTZ Rolf

7)GOSSE Daniel

# (51) International classification:F04B53/10(71)Name of Applicant :(31) Priority Document No:102010062174.9:102010062174.9(32) Priority Date:30/11/2010:Address of Applicant :Postfach 30 02 20 70442 Stuttgart(33) Name of priority country:Germany:PCT/EP2011/067731(72) Name of Inventor ::PCT/EP2011/067731

## (54) Title of the invention : VALVE IN PARTICULAR AN OUTLET VALVE OF A HYDRAULIC PISTON PUMP

:11/10/2011

:NA

:NA

:NA

:NA

:WO 2012/072320

(57) Abstract : In a valve (10), in particular an outlet valve (10) of a hydraulic piston pump for delivering a fluid, having a valve seat (12) in which is formed a valve orifice (14) with an inner wall (42), having a valve closing body (18) which is arranged on the valve seat (12) and which serves for selectively opening and closing the valve orifice (14), and having a guide means (20) which guides the valve closing body (18) relative to the valve seat (12), the guide means (20) extends into the valve orifice (14) and the guide means (20) has at least one fluid-conducting recess (40) and at least one region (44) which, to guide the valve closing body (18), bears against the inner wall (42) of the valve orifice (14).

No. of Pages : 20 No. of Claims : 12

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : TARGETING LANDMARKS OF ORTHOPAEDIC DEVICES

(51) International classification (21) Priority Decument No.	:A61B17/80,A61B19/00,A61B17/17 :61/408884	<ul> <li>(71)Name of Applicant :</li> <li>1)SMITH &amp; NEPHEW INC.</li> <li>Address of Applicant : 1450 Bracks Bood Momphis Tennesses</li> </ul>
<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:01/11/2010	Address of Applicant :1450 Brooks Road Memphis Tennessee 38116 U.S.A.
(33) Name of priority country		(72)Name of Inventor :
(86) International Application No Filing Date	:PCT/US2011/058568 :31/10/2011	1)PETTEYS Timothy J. 2)BAKER Charles R. 3)HEOTIS Charles C.
(87) International Publication No	<sup>1</sup> :WO 2012/061286	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A device for targeting a landmark of an orthopaedic implant including a housing configured to engage a mating structure for attachment of the housing to the orthopaedic implant and an electromagnetic sensor located at a known position within the housing wherein when the housing is engaged with the mating structure the position of the sensor relative to a landmark of the orthopaedic implant is known for at least five degrees of freedom.

No. of Pages : 52 No. of Claims : 15

#### (19) INDIA

(22) Date of filing of Application :02/05/2013

#### (43) Publication Date : 21/11/2014

(54) Title of the invention : ACRYLIC POLYMER			
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:C08F220/18 :10193512.0 :02/12/2010 :EPO :PCT/EP2011/071573 :01/12/2011 :WO 2012/072774 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)DSM IP ASSETS B.V. Address of Applicant :Het Overloon 1 NL 6411 Te Heerlen Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)WEBER Dirk</li> </ul>	
6	:NA :NA		

(57) Abstract :

The present invention relates to acrylic emulsion polymers as well as to their use in hair care preparations such as in particular in hair styling preparations.

No. of Pages : 38 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :02/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : SEPARATOR FOR NON AQUEOUS BATTERIES AND NON AQUEOUS BATTERY EQUIPPED WITH SAME AND PROCESS FOR MANUFACTURING SEPARATOR FOR NON AQUEOUS BATTERIES

(31) Priority Document No:20(32) Priority Date:2'(33) Name of priority country:Ja(86) International Application No:PeFiling Date:1'	I01M2/16 010240329 7/10/2010 apan CT/JP2011/073502 3/10/2011 VO 2012/056890 IA IA	<ul> <li>(71)Name of Applicant :</li> <li>1)KURARAY CO. LTD. Address of Applicant :1621 Sakazu Kurashiki shi Okayama</li> <li>7100801 Japan</li> <li>2)KOMATSU SEIREN CO. LTD.</li> <li>3)DIC CORPORATION</li> <li>(72)Name of Inventor :</li> <li>1)HAYAKAWA Tomohiro</li> <li>2)HOSOYA Takayoshi</li> <li>3)KAWAI Hiroyuki</li> <li>4)HAYASHI Hideo</li> <li>5)HAYASHI Yutaka</li> <li>6)TOGASHI Kohsuke</li> <li>7)GOTOH Naotaka</li> </ul>
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### (57) Abstract :

Provided are: a separator for non-aqueous Datteries, which can be utilized usefully for non-aqueous batteries; and a non-aqueous battery equipped with the separator. The separator for non-aqueous batteries comprises a base material layer which is composed of a fiber aggregate and a resin layer which can be swollen with an electrolytic solution and is formed on at least one surface of the base material layer, wherein the resin layer and the base material layer are integrated with each other, the resin layer comprises a urethane resin (C) which is produced by reacting a polyol (A) comprising a vinyl polymer (al) and a polyether polyol (a2) with a polyisocyanate (B), and the vinyl polymer (al) contains a vinyl polymer (al) having two hydroxy groups at one end as the main chain, also contains a polyoxyethylene chain having a number average molecular weight of 200-800 in an amount 70-98 mass% relative to the total amount of the vinyl polymer (al) as a side chain, and has a number average molecular weight of 2000-7000.

No. of Pages : 46 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

#### (51) International classification :F23D14/54 (71)Name of Applicant : (31) Priority Document No 1)GEGA LOTZ GMBH :NA (32) Priority Date Address of Applicant :Robert Bosch Str. 3 65719 Hofheim :NA (33) Name of priority country Wallau Germany :NA (86) International Application No :PCT/EP2011/054841 (72)Name of Inventor : **1)DEICA Alexander** Filing Date :29/03/2011 (87) International Publication No :WO 2012/130290 2)BUHR Wigbert (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : HEAVY CUTTING NOZZLE FOR CUTTING STEEL WORKPIECES IN PARTICULAR

#### (57) Abstract :

A heavy cutting nozzle (1) for cutting workpieces of steel and workpieces (200) of iron alloys particularly slabs ingots and billets has a nozzle body (2) with a thread (4) for fastening to a cutting torch (100). The heavy cutting nozzle (1) also comprises a centrally arranged cutting oxygen channel (5) a multiplicity of heating gas channels (10) arranged concentrically thereto on a specific inner pitch circle (10.1) and a multiplicity of heating oxygen channels (11) arranged concentrically thereto on a further middle pitch circle (11.1) wherein the outflow openings of the media channels (5 10 11) open out in a clearance (7) enclosed by the nozzle body (2). The clearance (7) enclosed by the nozzle body (2) is formed by the outflow openings of the media channels (5 10 11) for cutting oxygen heating oxygen and heating gas in an angular conical or approximately semicircular manner in relation to the outlet end thereof and in this way has the effect that the media flowing out are diverted at the inclined or curved outlet surfaces (F) towards the centre of the nozzle and swirl with the surrounding air at a further distance (B) away from the heavy cutting nozzle (1) outside the nozzle body (2).

No. of Pages : 16 No. of Claims : 6

(22) Date of filing of Application :02/05/2013

## (54) Title of the invention : DERIVATIVES OF HETEROARYLSULFONAMIDES THEIR PREPARATION AND THEIR APPLICATION IN HUMAN THERAPY

(51) International classification	:C07D413/12,C07D417/12,A61K31/423	(71)Name of Applicant : 1)PIERRE FABRE MEDICAMENT
(31) Priority Document No	:1059634	Address of Applicant :45 place Abel Gance F 92100 Boulogne billancourt France
(32) Priority Date	:23/11/2010	(72)Name of Inventor :
(33) Name of priority country	:France	1)DUPONT PASSELAIGUE Elisabeth 2)LE ROY Isabelle
(86) International Application No Filing Date	:PCT/EP2011/070736 :23/11/2011	3)PIGNIER Christophe
(87) International Publication No	:WO 2012/069503	
(61) Patent of Addition to	<sup>0</sup> ·NA	
Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention concerns derivatives of heteroarylsulfonamides notably as blockers of Kv potassium channels and more particularly of channels Kv1.5 Kv4.3 or Kv11.1 their application in clinical therapy and their preparation methods. These compounds correspond to the following general formula (I): where R1 represents one or more substituents of the phenyl core X such as: hydrogen halogen trifluoromethyl trifluoromethoxy linear or branched C C alkyl or linear or branched C C alkoxy A represents oxygen or sulphur B represents nitrogen when n=1 or 2 and D represents -C(=O) or B represents CH when n=0 and D represents - CHO- or when n=1 and D represents a hydrogen a methyl a fluorine or chlorine atom or a methoxy HetAr represents a pyridyl or quinolyl group possibly substituted by a group such as a linear or branched C C alkyl a linear or branched C C alkoxy a halogen or a trifluoromethyl and to their pharmaceutically acceptable salts.

No. of Pages : 53 No. of Claims : 13

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : INTEGRATED FLOATING OVERMOLDED SNAP RING AND SEAL FOR A PLASTIC FUEL HOUSING ASSEMBLY

(57) Abstract :

A fuel housing assembly (110) for a vehicle fuel system includes a rigid housing (112) and an inner seal assembly flexible body (126) for sealing engagement with a fuel pipe and with a body panel (124) of the vehicle. A rigid snap ring (128 134 136) for attachment to the body panel (124) is held by the flexible body (126).

No. of Pages : 15 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :02/05/2013

#### (43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:H04N7/26 :61/390068 :05/10/2010 :U.S.A. :PCT/CN2011/080408 :30/09/2011 :WO 2012/045269 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)MEDIATEK INC.</li> <li>Address of Applicant :No. 1 Dusing Rd. 1st Science Based</li> <li>Industrial Park Hsin Chu Taiwan China</li> <li>(72)Name of Inventor :</li> <li>1)CHEN Ching Yeh</li> <li>2)FU Chih Ming</li> <li>3)TSAI Chia Yang</li> <li>4)HUANG Yu Wen</li> <li>5)LEI Shaw Min</li> </ul>
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#### (54) Title of the invention : METHOD AND APPARATUS OF REGION BASED ADAPTIVE LOOP FILTERING

(57) Abstract :

In a block based motion compensated system coding noises may arise due to lossy operations. Adaptive loop filter (ALF) is a technique used to improve the quality. A pixel adaptive (PA) ALF method was developed that uses the Sum modified Laplacian Measure (SLM) to classify pixels and applies a respective ALF filter to each pixel according to the SLM. While the PA ALF achieves better performance over a conventional single filter (SF) based ALF the PA ALF causes higher complexity and consumes more power due to the high complexity and per pixel filter switching. Accordingly region based ALF scheme is disclosed which allows adaptive filter selection on a region by region basis and does not require per pixel filter switching. In one embodiment according to the present invention a picture is divided into MxN regions. The region based ALF also allows region merging for the MxN regions to improve performance. In another aspect of the present invention the optimal ALF design also takes into consideration of the system complexity by using rate distortion complexity optimization (RDCO). The RDCO technique is also applied to sample adaptive offset (SAO) design.

No. of Pages : 26 No. of Claims : 30

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : MAGNESIUM ALLOY SHEET AND PROCESS FOR PRODUCING SAME

<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	n :C22C23/02,C22F1/06,C22C23/00 :2010255564 :16/11/2010 :Japan :PCT/JP2011/075757	<ul> <li>(71)Name of Applicant :</li> <li>1)SUMITOMO ELECTRIC INDUSTRIES LTD. Address of Applicant :5 33 Kitahama 4 chome Chuo ku Osaka shi Osaka 5410041 Japan</li> <li>(72)Name of Inventor :</li> <li>1)INOUE Ryuichi</li> </ul>
Filing Date (87) International Publication No	:08/11/2011 :WO 2012/066986	2)INOKUCHI Kohji 3)OISHI Yukihiro 4)KAWABE Nozomu
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Provided are a magnesium alloy sheet having excellent corrosion resistance and a process for producing the sheet. The magnesium alloy sheet contains dispersed therein particles of an intermetallic compound comprising an additive element (e.g. Al) and Mg (representative example MgAl) and has a surface in which in XRD analysis the ratio obtained by dividing the diffraction intensity for the main diffraction plane (4 1 1) of the intermetallic compound by the diffraction intensity for the c plane (0 0 2) of the Mg alloy phase is 0.040 or more. The process for producing the magnesium alloy sheet comprises the following steps: a casting step in which a cast material comprising a magnesium alloy containing an additive element is produced by continuous casting; a heat treatment step in which the cast material is held at 400°C or higher and then cooled at a cooling rate of 30 °C/min or less to produce a heat treated material; and a rolling step in which the heat treated material is warm rolled to produce a rolled sheet.

No. of Pages : 25 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : STRETCH ROD SYSTEM FOR LIQUID OR HYDRAULIC BLOW MOLDING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:61/393411 :15/10/2010 :U.S.A. :PCT/US2011/056053 :13/10/2011 :WO 2012/051365 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)AMCOR LIMITED Address of Applicant :109 Burwood Road Hawthorn Victoria 3122 Australia (72)Name of Inventor : 1)EBERLE Theodore F.</li></ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A mold device and a method related thereto for forming a plastic container from a preform. The mold device comprises a mold defining a mold cavity a stretch initiation rod system for engaging an interior portion of the preform to define a stretch initiation area and a centrally disposed pressure source positionable within the preform for introducing a pressurized fluid.

No. of Pages : 23 No. of Claims : 32

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : USE OF COPPER NICKEL CATALYST FOR DEHALOGENATION OF CHLOROFLUOROCOMPOUNDS

<ul> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:C0/C1//23,C0/C1//23,C0/C21/18 :61/409260 :02/11/2010 :U.S.A. :PCT/US2011/056993 :20/10/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)E. I. DU PONT DE NEMOURS AND COMPANY Address of Applicant :1007 Market Street Wilmington DE</li> <li>19898 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)NAPPA Mario Joseph</li> <li>2)SWEARINGEN Ekaterina N.</li> <li>3)SIEVERT Allen C.</li> <li>4)SUN Xuehui</li> </ul>
Application Number Filing Date (62) Divisional to Application Number	:NA :NA :NA :NA	

(57) Abstract :

The disclosure describes a process for dehalogenation of chlorofluorocompounds. The process comprises contacting a saturated chlorofluorocompound with hydrogen in the presence of a catalyst at a temperature sufficient to remove chlorine and/or fluorine substituents to produce a fluorine containing terminal olefin.

No. of Pages : 17 No. of Claims : 24

(21) Application No.3954/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:E04F10/10	(71)Name of Applicant :
(31) Priority Document No	:12/925269	1)HOMERUN HOLDINGS CORP. AN OHIO
(32) Priority Date	:18/10/2010	CORPORATION
(33) Name of priority country	:U.S.A.	Address of Applicant :3395 Addison Drive Pensacola FL
(86) International Application No	:PCT/US2011/001723	32514 U.S.A.
Filing Date	:06/10/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2012/054070	1)MULLET Willis Jay
(61) Patent of Addition to Application	:NA	2)BRUCKNER Benjamin
Number	:NA :NA	3)BRUNK Darrin W.
Filing Date	.NA	4)HAND Richard Scott
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) 11		1

#### (54) Title of the invention : MOTORIZABLE SHADE SYSTEM AND METHOD

(57) Abstract :

A motorizable shade system and method consists of a header system where the header system includes an integral header attachment connection. At least one cord spool is provided within the header system and is connected with at least one suspension cord and a shade is suspended from the at least one suspension cord. A motor assembly attachment connection is provided in a motor assembly that is conformed to connect with the integral header attachment connection and the motor assembly also includes a motor assembly electrical connector. A power system with a power attachment connection is provided that is conformed to connect with the integral header attachment connection is provided that is conformed to connect with the integral header attachment connection. The power system also includes a power system electrical connector that is conformed to connect with the motor assembly electrical connector. The motorizable shade system operates manually unless and until a motor assembly and power system are connected with the integral header attachment connection and the cord spool.

No. of Pages : 54 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :02/05/2013

#### (43) Publication Date : 21/11/2014

(54) Title of the invention : COLLAPSIB	LE HELMET	
<ul> <li>(51) International classification</li> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:A42B3/32 :1017305.2 :13/10/2010 :U.K.	<ul> <li>(71)Name of Applicant :</li> <li>1)WOOLF Jeffrey Moss <ul> <li>Address of Applicant :23A Hankins Lane London NW7 3AE</li> <li>U.K.</li> <li>(72)Name of Inventor :</li> <li>1)WOOLF Jeffrey Moss</li> </ul> </li> </ul>

(57) Abstract :

A collapsible helmet comprises a shell 1 having two or more components which are hingedly connected together about fold lines extending across the shell. Each component comprises a plurality of panels 3 with each panel being hingedly connected to at least one adjacent panel. The shell may be adjustable between a first configuration in which the helmet may be placed over the head of the user and a second configuration in which said components are flattened and are arranged in a substantially overlying relationship.

No. of Pages : 13 No. of Claims : 18

(21) Application No.3956/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:H02J7/14,B60K6/28	(71)Name of Applicant :
(31) Priority Document No	:588386	1)PHAN Taing Foung
(32) Priority Date	:05/10/2010	Address of Applicant :870B Manukau Road Royal Oak
(33) Name of priority country	:New Zealand	Auckland 1061 New Zealand
(86) International Application No	:PCT/NZ2011/000206	(72)Name of Inventor :
Filing Date	:04/10/2011	1)PHAN Taing Foung
(87) International Publication No	:WO 2012/047118	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : BATTERY AUGMENTATION SYSTEM AND METHOD

(57) Abstract :

A battery augmentation system and method is disclosed. It is particularly designed for the augmentation of batteries in electric or hybrid vehicles. The system comprises of conversion means operatively connected between an auxiliary power system and a electric motor battery of the vehicle wherein the conversion means converts an output signal from the auxiliary power system into a converted signal. The converted signal supplements the electric motor battery output voltage preventing it from dropping below a predefined level thus preventing damage to the electric motor battery. The system makes further use of an external battery which can be charged either by mains power or through the auxiliary power system of the electric/hybrid vehicle allowing the vehicle to be converted to a plug in capable hybrid/electric vehicle. Once installed the battery augmentation system improves the power of a hybrid or electric vehicle extends the useful lifetime of a new or used electric motor battery and also improves fuel efficiency of the vehicle.

No. of Pages : 50 No. of Claims : 29

(21) Application No.3957/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : DECORATIVE AND/OR SECURE ELEMENT FOR HOMOGENEOUS CARD CONSTRUCTION

(=) = .,	<sup>1</sup> :PCT/US2011/060800	<ul> <li>(71)Name of Applicant :</li> <li>1)ILLINOIS TOOL WORKS INC. Address of Applicant :3600 W. Lake Avenue Glenview IL</li> <li>60026 1215 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)CRAWFORD TAYLOR Shannon K.</li> <li>2)SZUMSKI Daniel M.</li> </ul>
Filing Date	:15/11/2011	
(87) International Publication No	:WO 2012/068117	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	<sup>n</sup> :NA :NA	

(57) Abstract :

A laminate sheet includes a base film formed from a recyclable biodegradable degradable and/or compostable material a metal or reflective film layer disposed over film and heat resistant layer disposed over the base film.

No. of Pages : 17 No. of Claims : 20

(22) Date of filing of Application :29/04/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : LITHIUM ION BATTERY

#### (57) Abstract :

A high-input and high-output battery having a large capacity while guaranteeing safety is provided. In a lithium ion battery 5 having an electrode wound group in which a positive electrode, a negative electrode, and a separator are wound and an electrolytic solution provided in a battery container, a discharge capacity of the battery being 30 Ah or more, the positive electrode has a current collector and a positive electrode composite applied to both surfaces 10 of the current collector, and the positive electrode composite has following configuration. The positive electrode composite contains a mixed active material of layered lithium nickel manganese cobalt composite oxide (NMC) and spinel lithium manganese oxide (sp-Mn), a density of the positive electrode composite is 2.4 g/cm3 or more 15 and 2.7 g/cm or less, and an application quantity of the positive electrode composite is 175 g/m2 or more and 250 g/m2 or less. Furthermore, a weight ratio (NMC/sp-Mn) of the mixed active materials is set to 10/90 or more and 60/40 or less. Alternatively, when a discharge capacity is defined as X and the weight ratio is defined 20 as Y, the relation of Y<-0.0062X+1.05 (30<X<100) is satisfied.

No. of Pages : 63 No. of Claims : 4

(21) Application No.3743/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SOLAR CELL METALLIZATIONS CONTAINING METAL ADDITIVE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:H01L31/02,H01L31/0224 :61/407588 :28/10/2010 :U.S.A. :PCT/US2011/057963 :27/10/2011 :WO 2012/058358 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)FERRO CORPORATION <ul> <li>Address of Applicant :6060 Parkland Boulevard Mayfield</li> <li>Heights OH 44124 U.S.A.</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)YANG Yi</li> <li>2)SHAIKH Aziz S.</li> <li>3)SRIDHARAN Srinivasan</li> </ul> </li> </ul>
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(57) Abstract :

Paste compositions methods of making a paste composition and methods of making a solar cell contact are disclosed. The paste composition can contain silver a glass frit a metal additive and an organic vehicle system. The metal additive is at least one selected from the group consisting of yttrium an organo vanadium compound organo antimony compound organo phosphorus compound and an organo yttrium compound. The paste can be used for making a solar cell contact.

No. of Pages : 38 No. of Claims : 41

### (19) INDIA

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : MOLYBDENUM MONOXIDE LAYERS AND PRODUCTION THEREOF USING PVD

<ul> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:PCT/EP2011/004990 :06/10/2011 :WO 2012/055485 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)OERLIKON TRADING AG TRBBACH Address of Applicant :Hauptstrasse CH 9477 Tr¼bbach Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)RAMM J¼rgen</li> <li>2)WIDRIG Beno</li> <li>3)GL,,NTZ Kerstin</li> <li>4)SEIBERT Florian</li> </ul>
(62) Divisional to Application	:NA :NA	

(57) Abstract :

The invention relates to a coating comprising at least one molybdenum containing layer having molybdenum oxide said molybdenum being essentially molybdenum monoxide. The invention further relates to a PVD process for producing the disclosed coating in which the layer comprising the molybdenum monoxide is produced using arc evaporation. The invention also relates to a component that has said coating.

No. of Pages : 32 No. of Claims : 18

(21) Application No.3745/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

(51) International classification	:C02F1/54,C02F11/14	(71)Name of Applicant :
(31) Priority Document No	:10/04285	1)OREGE
(32) Priority Date	:29/10/2010	Address of Applicant :Socit Anonyme Directoire et Conseil
(33) Name of priority country	:France	de Surveillance 1 rue Pierre Vaudenay F 78350 Jouy En Josas
(86) International Application No	:PCT/FR2011/000583	France
Filing Date	:28/10/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2012/056129	1)CAPEAU Patrice
(61) Patent of Addition to Application	:NA	2)LOPEZ Michel
Number	:NA	3)GENDROT Pascal
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) 41		l de la construcción de la const

### (54) Title of the invention : WATER CLARIFICATION METHOD AND DEVICE

(57) Abstract :

The invention relates to a method and device for clarifying water by means treatment of the colloidal structures contained in a liquid and/or a sludge supplied in a continuous flow at a flow rate of Q = V/hour. The flow is sprayed into a chamber (2) under overpressure conditions in relation to atmospheric pressure said chamber (2) having a volume v < V/20 and air (10) being injected simultaneously therein at a flow rate d.

No. of Pages : 32 No. of Claims : 18

(22) Date of filing of Application :03/05/2013

#### (54) Title of the invention : LUBRICATING OIL AND INTERNAL COMBUSTION ENGINE FUEL

(57) Abstract :

[Problem] The objective of the present invention is to provide an internal combustion engine fuel and a lubricating oil that reduce fuel consumption and reduce generated carbon dioxide and other exhaust gas components. [Solution] A lubricating oil infusion comprising a dimethyl alkyl tertiary amine is infused into the lubricating oil in a range of 0.01 1 vol% preferably 0.1 0.5 vol%. Also a fuel oil infusion comprising the dimethyl alkyl tertiary amine is infused into a petroleum fuel in a range of 0.5 1 vol%. The petroleum fuel is diesel fuel kerosene gasoline or fuel oil A. Also the lubricating oil and/or the petroleum fuel is used in an internal combustion engine.

No. of Pages : 113 No. of Claims : 10

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : COMPOSITIONS AND METHODS RELATING TO THE STABILIZATION OF HYDROPHOBICALLY MODIFIED HYDROPHILIC POLYMER TREATMENT FLUIDS UNDER ALKALINE CONDITIONS

(31) Priority Document No:12/9(32) Priority Date:30/1(33) Name of priority country:U.S(86) International Application No:PCTFiling Date:30/1	JA JA	
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#### (57) Abstract :

The present invention relates to methods and compositions for treating a water and hydrocarbon producing subterranean formation with a relative permeability modifier and more specifically to improved treatment fluids methods for preparing treatment fluids and methods for use thereof in a subterranean formation. Methods of the present invention comprise providing a treatment fluid comprising a relative permeability modifier at least one surfactant and an aqueous phase base fluid; and placing the treatment fluid in a subterranean formation. The relative permeability modifier comprises a hydrophobically modified hydrophilic polymer. The at least one surfactant is operable to maintain the relative permeability modifier in a dissolved state in the treatment fluid above a pH of about 8. The at least one surfactant may be an anionic curfactant.

No. of Pages : 29 No. of Claims : 34

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR CONFERRING ANTIMICROBIAL ACTIVITY TO A SUBSTRATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:C09D5/14,C09D201/00,D06M15/00 :61/405701 :22/10/2010 :U.S.A. :PCT/US2011/049373 :26/08/2011 :WO 2012/054138 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)THE RESEARCH FOUNDATION OF THE CITY</li> <li>UNIVERSITY OF NEW YORK</li> <li>Address of Applicant :555 W. 57th Street New York NY</li> <li>10019 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)ENGEL Robert</li> <li>2)INNOCENTI Gary</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract :

In one embodiment the invention relates to a method for rendering a non metallic substrate stably antimicrobial. The method comprises: (a) contacting the substrate with an antimicrobial surfactant; (b) contacting the substrate with a polymeric binder; and (c) subjecting the substrate surfactant and binder to conditions at which the substrate becomes stably antimicrobial. In another embodiment the invention relates to a substrate into which an antimicrobial surfactant and a binder have penetrated.

No. of Pages : 21 No. of Claims : 53

(19) INDIA

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR PRODUCING SMALL SIZE TITANIUM OXIDE PARTICLES (51) International classification :C01G23/053 (71)Name of Applicant : (31) Priority Document No :209459 1)JOMA INTERNATIONAL AS (32) Priority Date :21/11/2010 Address of Applicant :N 7898 Limingen Norway (33) Name of priority country (72)Name of Inventor : :Israel (86) International Application No **1)VITNER Asher** :PCT/IL2011/000894 2)BEN MOSHE Matti Filing Date :21/11/2011 (87) International Publication No :WO 2012/066547 3)BAIDOSSI Mubeen (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The present invention provides a method for the production of small size titanium oxide particles comprising the steps of: e) providing a solid containing titanic acid; f) contacting the solid with an acidic aqueous medium thereby forming an aqueous precursor solution at given conditions of temperature lower than 100 °C Titanium cation concentration lower than 20wt% and higher than 0.1wt% pH lower than 1 and strong acid concentration higher than 2.5 % and lower than 30 %; g) optionally adding one or more capping agents to the aqueous precursor solution; and h) modifying at least one of the conditions of the aqueous precursor and maintaining the aqueous precursor at the modified conditions whereupon precipitation of a precipitate comprising small size titanium oxide particles takes place the modifications being selected from at least one of temperature elevation by at least 5 °C and pH elevation by at least 0.1 pH units.

No. of Pages : 20 No. of Claims : 29

(19) INDIA

(22) Date of filing of Application :02/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : MALE HYGIENE DEVICE (51) International classification :A61F13/15,A41B9/12,A61F5/40 (71)Name of Applicant : (31) Priority Document No 1)M.A.J. INVEST AB :10510550 (32) Priority Date :08/10/2010 Address of Applicant :Sandavgen 43 S 194 63 Upplands Vsby (33) Name of priority country :Sweden Sweden (86) International Application (72)Name of Inventor : :PCT/SE2011/051155 1)MELKI Vilyam No :28/09/2011 Filing Date (87) International Publication :WO 2012/047151 No (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

A one piece hygiene band (100) for use by a male to absorb moisture is provided. The hygiene band comprises an absorbent material and has at least one interconnection means (105) at a first portion (106) of the hygiene band arranged for allowing an interconnection between the first portion and a second portion (108) of the hygiene band such that a loop (114) of the hygiene band may be formed for being provided around the genitals (116) of the male. At least a segment (112) of the hygiene band is arranged for being provided between the buttocks (120) of the male.

No. of Pages : 22 No. of Claims : 11

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : REINFORCEMENT ELEMENT FOR CASTING COMPRISING RING SHAPED PORTIONS AND REINFORCEMENT WITH SUCH REINFORCEMENT ELEMENTS

(51) International classification (31) Priority Document No	:E04C5/01,E04C5/02,E04C5/04 :10010056	(71)Name of Applicant : 1)SVENSK CELLARMERING FABRIK AB
(32) Priority Date	:12/10/2010	Address of Applicant :Morjrvsvgen 10 S 950 40 Tre Sweden
(33) Name of priority country	:Sweden	(72)Name of Inventor :
(86) International Application No	:PCT/SE2011/051220	1)PERSSON Johan
Filing Date	:12/10/2011	
(87) International Publication No	:WO 2012/050515	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date		

(57) Abstract :

Reinforcement element for being positioned within a cast to elastically withstand tensile loads thereon said reinforcement element comprising a plane sheet or plate shaped body of at least one row of consecutively coupled ring shaped portions.

No. of Pages : 48 No. of Claims : 29

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : CARTRIDGE FOR RECYCLING MEDICAL WASTE WASTE CONTAINER AND METHOD FOR COMPACTING AND STERILISING SAID WASTE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61B19/02,A61L11/00 :PCT/ES2010/000458 :28/10/2010 :Spain :PCT/ES2011/070751 :28/10/2011 :WO 2012/056082 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SARAITO S.L. Address of Applicant :Camino Real de los Neversos 90 E</li> <li>18008 Granada Spain</li> <li>(72)Name of Inventor :</li> <li>1)DUE'AS SANCHEZ Silverio</li> </ul>
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#### (57) Abstract :

The invention relates to a cartridge (1) for recycling medical waste which includes a body (2) of recyclable material with a closed shape the inner structure of which is divided into multiple compartments that define chambers (3) closed by each one of the ends thereof with axes that are parallel to one another and to the axis of the cartridge (1) and a heat shrinkable plastic material (4) which covers the cartridge (1) at least on the sides. The invention relates to a waste container (5) which includes at least one waste recycling cartridge (1). The invention also relates to a method for compacting and sterilising medical waste by using a recycling cartridge (1) and a waste container (5) wherein the phases that make up said method include inserting the recycling cartridge (1) in a container filling the cartridge inserting the two elements in a sterilisation autoclave (10) in which the cartridge (1) and the waste are sterilised and shrinking the heat shrinkable plastic material and compressing the recycling cartridge (1).

No. of Pages : 33 No. of Claims : 17

(21) Application No.3964/DELNP/2013 A

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : EMERGENCY SELF RETAINING SUTURES AND PACKAGING

<ul> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> </ul>	:61/411918 :09/11/2010 :U.S.A. PCT/US2011/060069 :09/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)ANGIOTECH PHARMACEUTICALS INC. Address of Applicant :1618 Station Street Vancouver British Columbia V6A 1B6 Canada</li> <li>(72)Name of Inventor :</li> <li>1)DAGOSTINO William L.</li> <li>2)MERKEL Matt</li> <li>3)BOWSER Ron</li> <li>4)HOYT Mark</li> </ul>
(62) Divisional to Application Number	:NA :NA	

(57) Abstract :

A removable self retaining suture system and methods for use thereof in emergency situations. The system comprises one or more self retaining suture segments and a grasp engagement element. The system may be used for temporary wound closure in a trauma victim and may be easily removed upon the availability of proper medical care to the victim.

No. of Pages : 61 No. of Claims : 36

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:B21D5/10	(71)Name of Applicant :
(31) Priority Document No	:2010247509	1)NAKATA MANUFACTURING CO. LTD.
(32) Priority Date	:04/11/2010	Address of Applicant :7 6 Tagawa 3 chome Yodogawa ku
(33) Name of priority country	:Japan	Osaka shi Osaka 5320027 Japan
(86) International Application No	:PCT/JP2011/054176	(72)Name of Inventor :
Filing Date	:24/02/2011	1)WANG Feizhou
(87) International Publication No	:WO 2012/060116	2)NAKANO Tomoyasu
(61) Patent of Addition to Application	:NA	3)INOKUMA Akinori
Number	:NA	4)YIN Jilong
Filing Date	.11/A	5)AKAI Terutomo
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Alestreat		•

#### (54) Title of the invention : FORMING METHOD AND FORMING DEVICE

(57) Abstract :

The purpose of the present invention is to provide a forming method and a device which are capable of manufacturing a high quality product with high dimensional accuracy by performing a required forming with less additional strain given to a material to be formed without impairing the productivity of a conventional roll forming in forming a round steel pipe for example. To attain the purpose in the present invention in an initial breakdown process a turning unit having the structure in which a die line using dies having a forming groove which is swingably formed outward turns and moves on an endless track is employed the dies are turned and moved while being changed to a required angle by locking an edge portion of the material to be formed with the forming groove of the die to attain bending forming and thus it is possible to remarkably reduce various problems due to a wrapping phenomenon and a high contact stress locally generated by the roll formed.

No. of Pages : 61 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : SURGICAL INSTRUMENT SHAFT WITH RESILIENTLY BIASED COUPLING TO HANDPIECE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:61/410603 :05/11/2010 :U.S.A. :PCT/US2011/059218 :03/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)ETHICON ENDO SURGERY INC. Address of Applicant :4545 Creek Road Cincinnati OH 45242 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)HOUSER Kevin L.</li> <li>2)WEIZMAN Patrick A</li> </ul>
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	:WO 2012/061641 :NA :NA	2)WEIZMAN Patrick A. 3)SHELTON Frederick E. 4)STROBL Geoffrey S.
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract :

An ultrasonic surgical instrument includes a reusable handle assembly and a removable and disposable shaft assembly. The handle assembly includes a trigger a housing having a distal aperture formed in a distal end of the housing and a drive member in communication with the trigger to actuate the drive member. The shaft assembly includes a proximal shaft portion a rotator knob having a coupling feature a transmission assembly extending distally from the proximal shaft portion and an end effector coupled to the distal end of the transmission assembly. The drive member of the handle assembly is removably coupled to the proximal shaft portion of the shaft assembly. Another version includes a drive member of the handle assembly configured to removably engage a proximal shaft portion of the shaft assembly via a biasing member. Another version includes a waveguide of the transmission assembly non threadably coupled to a transducer.

No. of Pages : 43 No. of Claims : 20

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : METHOD FOR PREPARING 2 2 DIFLUOROETHYLAMINE STARTING FROM A BENZYLAMINE COMPOUND

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07C209/08,C07C209/62,C07C211/15 :10191061.0 :12/11/2010 :EPO :PCT/EP2011/069545 :07/11/2011 :WO 2012/062702 ? :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant :Alfred Nobel Strasse 10 40789</li> <li>Monheim am Rhein Germany</li> <li>(72)Name of Inventor :</li> <li>1)LUI Norbert</li> <li>2)HEINRICH Jens Dietmar</li> <li>3)FUNKE Christian</li> <li>4)SCHLEGEL G<sup>1</sup>/<sub>4</sub>nter</li> <li>5)MLLER Thomas Norbert</li> </ul>
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(57) Abstract :

A method for preparing 2 2 difluoroethylamine of formula (I) CHFCHNH comprises steps (i) and (ii). In step (i) 2 2 difluoro 1 halogen ethane of general formula (II) CHF CHHal is reacted with a benzylamine compound of formula (III) in the presence of an acid scavenger i.e. a compound that is capable of removing the hydrohalogen compound released during the reaction. In formula (II) Hal stands for chlorine bromine or iodine and in formula (III) R stands for hydrogen or for C C alkyl and R stands for hydrogen halogen C Calkyl or C C alkoxy. In step (ii) the N benzyl 2 2 difluorotehane amine compound obtained in step (i) is catalytically hydrogenated to form 2 2 difluoroethylamine of formula (I) or a salt thereof.

No. of Pages : 22 No. of Claims : 15

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METHOD FOR COMMUNICATING INFORMATION BETWEEN AN ON BOARD CONTROL UNIT AND A PUBLIC TRANSPORT NETWORK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul> </li> </ul>	:EPO :PCT/EP2011/066040 :15/09/2011 :WO 2012/076206 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SIEMENS S.A.S. Address of Applicant :9 boulevard Finot F 93200 Saint Denis France</li> <li>(72)Name of Inventor :</li> <li>1)EL FASSI Said</li> </ul>
Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a method for communicating at least one piece of information between a first control unit (CU1) on board a first vehicle (V1) and a public transport network characterised in that: the information is transmitted by the first control unit (CU1) in the form of an instruction (T2W T2Q T2T) said instruction being transferred to a first communication unit (I/O\_1) on board the first vehicle; the first communication unit (I/O\_1) establishes a data link outside the vehicle with a second communication unit (I/O\_2 I/O\_3) connected to a module (EXE2 EXE3) for executing said instruction the second communication unit (CU3); in the event of a transmission to the second communication unit (I/O\_2) on board a second vehicle (V2) comprising a second control unit (CU3); in the event of a transmission to the second communication unit (I/O\_2) on the ground the first control unit (CU1); and in the event of a transmission to the second communication unit (I/O\_3) the execution module (EXE3) on board the second vehicle is controlled under a slave mode governed for said instruction be executed under a master mode of the first control unit (CU1) thus placing at least temporarily a second control unit (CU2) on board the second vehicle under a slave mode in order to execute said instruction.

No. of Pages : 25 No. of Claims : 10

(22) Date of filing of Application :03/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : MEDICAL DEVICE USAGE DATA PROCESSING

(51) International classification	:A61B17/32,A61B18/14,A61B17/00	(71)Name of Applicant : 1)ETHICON ENDO SURGERY INC.
(31) Priority Document No	:61/410603	Address of Applicant :4545 Creek Road Cincinnati OH 45242
(32) Priority Date	:05/11/2010	U.S.A.
(33) Name of priority country	y:U.S.A.	(72)Name of Inventor :
(86) International Application No Filing Date	:PCT/US2011/059378 :04/11/2011	1)HOUSER Kevin L. 2)STULEN Foster B. 3)DIETZ Timothy G.
(87) International Publication No	<sup>1</sup> :WO 2012/061737	4)WILLIS John W. 5)KORVICK Donna L.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	6)MADAN Ashvani Kumar 7)ZINGMAN Aron O.
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A surgical instrument includes a handle assembly having a lower portion with a hingedly attached end piece. When open the end piece allows for receipt of a data card in a lower portion aperture. When closed the end piece covers the aperture. In another version the aperture is configured to receive a data card and battery pack assembly. Information is readable from and to the data card to measure a number of minutes the instrument was used during a procedure. Such information is communicated via wired or wireless communication to another device to determine a payment for the number of minutes used. Minutes are buyable from the device and writable onto the data card prior to insertion of the card into the instrument. In another version a testing sequence is used in saline or via a tissue proxy to test the functionality of an instrument prior to a procedure.

No. of Pages : 36 No. of Claims : 20

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : APPARATUS AND METHOD FOR TURBINE FLOW METER SENSOR ADJUSTMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication N</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number</li> </ul>	:12/911899 :26/10/2010 :U.S.A. :PCT/US2011/056515 :17/10/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)DANIEL MEASUREMENT AND CONTROL INC. Address of Applicant :11100 Brittmore Park Drive Houston Texas 77041 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)MARTINEZ Moises</li> <li>2)LOGA Thomas H.</li> <li>3)TULLOS Sheldon</li> <li>4)JONES Anthony</li> <li>5)ALMAZAN Raul</li> </ul>
Filing Date	:NA	

(57) Abstract :

A method and apparatus for calibrating a turbine flow meter via adjustment of electromagnetic sensor position are disclosed herein. In one embodiment a turbine flow meter includes a flow tube a plurality of electromagnetic pickups and a locator plate. The electromagnetic pickups are configured to detect rotation a flow indicator in the flow tube. The pickups are secured to the locator plate. The locator plate is configured to adjustably position the pickups relative to the flow tube.

No. of Pages : 20 No. of Claims : 24

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : COLLAGEN HYDROLYSATE USED TO IMPROVE THE HEALTH OF HUMAN SKIN HAIR AND/OR NAILS

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	A61K8/65,A61Q19/08 10 2010 060 564.6 15/11/2010 Germany PCT/EP2011/067028 29/09/2011 WO 2012/065782 NA NA NA NA	<ul> <li>(71)Name of Applicant :</li> <li>1)GELITA AG Address of Applicant :Uferstrae 7 69412 Eberbach Germany</li> <li>(72)Name of Inventor :</li> <li>1)HAUSMANNS Stephan</li> <li>2)GIESEN WIESE Monika</li> <li>3)OESSER Steffen</li> </ul>
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(57) Abstract :

The invention relates to a collagen hydrolysate used to improve the health of human skin hair and/or nails. At least 90 wt. % of said collagen hydrolysate has a molecular weight of less than 3500 Da and the collagen hydrolysate has at least four characteristic peptides with a molecular weight of between 600 and 1200 Da.

No. of Pages : 26 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PREPARATION OF PET PRECURSOR

(31) Priority Document No :61/417490Addr(32) Priority Date:29/11/2010(33) Name of priority country:U.S.A.(72) Name 1) BER	E HEALTHCARE LIMITED Idress of Applicant : Amersham Place Little Chalfont hghamshire HP7 9NA U.K. ame of Inventor : ERG Tom Christian LSEN Anne
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#### (57) Abstract :

The invention relates to a process for preparation of radiopharmaceutical precursors and in particular protected amino acid derivatives which are used as precursors for production of radiolabeled amino acids for use in imaging procedures such as positron emission tomography (PET). Particularly the invention relates to a process for preparation of a precursor of the [F] 1 amino 3 fluorocyclobutanecarboxylic acid ([F] FACBC) PET agent and particularly to the work up process of this precursor removing generated salts from the intermediate composition.

No. of Pages : 17 No. of Claims : 15

#### (19) INDIA

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : STEERING I	DEVICE FOR VEHICLE	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul> </li> <li>Number <ul> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul> </li> </ul>		<ul> <li>(71)Name of Applicant : <ol> <li>JJTEKT Corporation</li> <li>Address of Applicant :5 8 Minamisemba 3 chome Chuo ku</li> </ol> </li> <li>Osaka shi Osaka 5428502 Japan</li> <li>(72)Name of Inventor : <ol> <li>KUROUMARU Yoshikazu</li> </ol> </li> </ul>

#### (57) Abstract :

A steering shaft (2) penetrating through a hollow support member (3) includes an upper shaft (14) and a lower shaft (15) which are coaxially connected through a torsion bar (16). A first ball bearing (33) retained by the support member (3) rotatably supports the upper end (141) of the upper shaft. A second ball bearing (34) retained by the support member (3) rotatably supports the lower shaft (15). A first inter shaft bearing (36; 36A) retained by the lower shaft (15) rotatably supports the lower end (142) of the upper shaft (14). A second inter shaft bearing (37; 37A) retained by the upper shaft (14) rotatably supports the upper end (151) of the lower shaft (15). The first inter shaft bearing (36; 36A) includes a portion disposed inward radially of the bearing center (C1) of the second ball bearing (34). The first and second inter shaft bearings (36 37; 36A 37A) are separated from each other in the direction (X1) of the axis of the steering shaft (2).

No. of Pages : 22 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : THIOPHENE AZO DYES AND LAUNDRY CARE COMPOSITIONS CONTAINING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> </ul>	PCT/US2010/056471 :12/11/2010 :WO 2011/017719 :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>MILLIKEN &amp; COMPANY</li> <li>Address of Applicant :920 Milliken Road M 495 Spartanburg</li> </ol> </li> <li>South Carolina 29303 U.S.A.</li> <li>(72)Name of Inventor : <ol> <li>TORRES Eduardo</li> <li>HONG Xiaoyong</li> <li>MAHAFFEY Robert L.</li> <li>VALENTI Dominick J.</li> <li>MIRACLE Gregory S.</li> </ol> </li> </ul>
(62) Divisional to Application Number Filing Date	n:NA :NA	

(57) Abstract :

This application relates to thiophene azo dyes for use as hueing agents laundry care compositions comprising such thiophene azo dyes processes for making such thiophene azo dyes and laundry care compositions and methods of using the same. The thiophene azo dyes contain a formally charged moiety and are generally comprised of at least two components: at least one chromophore component and at least one polymeric component. Suitable chromophore components generally fluoresce blue red violet or purple color when exposed to ultraviolet light or they may absorb light to reflect these same shades. These thiophene azo dyes are advantageous in providing a hueing effect for example a whitening effect to fabrics while not building up over time and causing undesirable blue discoloration to the treated fabrics. The thiophene azo dyes are also generally stable to bleaching agents used in laundry care compositions.

No. of Pages : 97 No. of Claims : 16

(21) Application No.3876/DELNP/2013 A

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DECONTAMINATION APPARATUS AND METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(34) Name of priority country</li> <li>(35) Name of priority country</li> <li>(36) International Application No</li> <li>(37) International Publication No</li> <li>(38) NA</li> <li>(37) International Publication No</li> <li>(38) NA</li> <li>(37) International Publication No</li> <li>(38) NA</li> <li>(38) NA</li> <li>(39) Na</li> <li>(39) Na</li> <li>(31) Na</li> <li>(32) Na</li> <li>(32) Na</li> <li>(32) Na</li> <li>(33) Na</li> <li>(34) Na</li> <li>(35) NA</li> <li>(35) NA</li> <li>(36) NA</li> <li>(36)</li></ul>	1)LIN Szu Min
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#### (57) Abstract :

A decontamination apparatus is disclosed. The decontamination apparatus comprises a mist generator configured to generate a mist a first conduit in fluid communication with the mist generator and configured to receive the mist a stream movement device configured to move a stream and a heating device configured to heat the stream moved by the stream movement device. The decontamination apparatus comprises a second conduit in fluid communication with the stream movement device and configured to receive the heated stream. The first conduit comprises a first outlet configured to pass the mist therethrough and the second conduit comprises a second outlet configured to pass the heated stream therethrough. The second outlet is positioned proximate to the first outlet. A portion of the mist evaporates into a vapor for decontamination of an environment when mixed with the heated stream outside of the first outlet the second outlet and the decontamination apparatus.

No. of Pages : 47 No. of Claims : 20

(22) Date of filing of Application :01/05/2013

#### (54) Title of the invention : VASOPROTECTIVE AND CARDIOPROTECTIVE ANTIDIABETIC THERAPY

<ul> <li>(51) International classification</li> <li>(31) Priority Documen No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> <li>(57) Abstract</li> </ul>	:10191261.6 :15/11/2010 :EPO :PCT/EP2011/070156 :15/11/2011 :WO 2012/065993	<ul> <li>(71)Name of Applicant : <ul> <li>1)BOEHRINGER INGELHEIM INTERNATIONAL</li> </ul> </li> <li>GMBH <ul> <li>Address of Applicant :Binger Strasse 173 55216 Ingelheim</li> </ul> </li> <li>Am Rhein Germany <ul> <li>(72)Name of Inventor : <ul> <li>1)KLEIN Thomas</li> <li>2)DAIBER Andreas</li> <li>3)JOHANSEN Odd Erik</li> <li>4)MARK Michael</li> <li>5)PATEL Sanjaykumar</li> <li>6)WOERLE Hans Juergen</li> </ul> </li> </ul></li></ul>
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(57) Abstract :

The present invention relates to certain DPP 4 inhibitors for treating and/or preventing oxidative stress vascular stress and/or endothelial dysfunction as well as to the use of such DPP 4 inhibitors in treatment and/or prevention of diabetic or non diabetic patients including patient groups at risk of cardiovascular and/or renal disease.

No. of Pages : 85 No. of Claims : 31

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : SURGICAL INSTRUMENT SAFETY GLASSES OR SURGICAL MONITOR WITH VISUAL FEED BACK

(51) International classification	:A61B18/14,A61B17/32,G02B27/01	(71)Name of Applicant : 1)ETHICON ENCO SURGERY INC.
(31) Priority Document No	:61/410603	Address of Applicant :4545 Creek Road Cincinnati OH 45242
(32) Priority Date	:05/11/2010	U.S.A.
(33) Name of priority country	/:U.S.A.	(72)Name of Inventor :
(86) International	:PCT/US2011/059365	1)PRICE Daniel W.
Application No	:04/11/2011	2)KIMBALL Cory G.
Filing Date		
(87) International Publication No	:WO 2012/061727	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to	:NA	
Application Number	:NA :NA	
Filing Date	.11A	

#### (57) Abstract :

A surgical instrument includes a handle assembly housing a wireless circuit board. The wireless circuit board transmits a signal to a set of safety glasses worn by a surgeon using the surgical instrument during a procedure. The signal is received by a wireless port on the safety glasses. One or more lighting devices on a front lens the safety glasses change color fade or glow in response to the received signal to indicate information to the surgeon about the status of the surgical instrument. The lighting devices are disposable on peripheral edges of the front lens to not distract the direct line of vision of the surgeon.

No. of Pages : 29 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : USER FEEDBACK THROUGH END EFFECTOR OF SURGICAL INSTRUMENT (51) International classification :A61B17/32,A61B18/14 (71)Name of Applicant : (31) Priority Document No 1) ETHICON ENDO SURGERY INC. :61/410603 Address of Applicant :4545 Creek Road Cincinnati OH 45242 (32) Priority Date :05/11/2010 (33) Name of priority country :U.S.A. U.S.A. (86) International Application No :PCT/US2011/059362 (72)Name of Inventor : Filing Date :04/11/2011 1)KIMBALL Corv G. (87) International Publication No :WO 2012/061725 2)PRICE Daniel W. (61) Patent of Addition to Application 3)STROBL Geoffrey S. :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A surgical instrument includes a handle assembly and a transmission assembly including an end effector. The end effector includes a visual indicator such as dots disposed on a clamp arm to emit light from at least one LED disposed between the clamp arm and a clamp pad. The LED is connectable to a power source. An outer sheath of the end effector is extruded to include a first set of electrical conduits. A distal assembly of the end effector includes the clamp arm clamp pad LED and a second set of electrical conduits to mate with the first set of electrical conduits when the distal assembly is snap fit into the extruded outer sheath. An ultrasonic surgical instrument includes an outer sheath configured to transmit light from an internally housed LED along portions of the outer sheath.

No. of Pages : 35 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : DISPENSER	WITH FLEXIBLE COV	ER
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)GOJO INDUSTRIES INC.</li> <li>Address of Applicant :One GOJO Plaza Suite 500 P.O. Box</li> <li>991 Akron Ohio 44309 U.S.A.</li> <li>(72)Name of Inventor :</li> </ul>
Filing Date (87) International Publication No (61) Patent of Addition to Application	:01/11/2011 :WO 2012/061336	1)MCNULTY John 2)QUINLAN Robert 3)SMITH David
Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A fluid dispenser (10) including a backplate and a flexible cover (12) fixedly secured to the backplate. A refill unit including a product reservoir and a pump is positioned within the dispenser and is carried by the backplate. The flexible cover is adapted to flex or deform when pressed by a user to actuate the pump thereby alleviating the need for separate actuating members or pivoting of the cover.

No. of Pages : 19 No. of Claims : 18

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SUCTION AND SEPARATION DEVICE AND TEXTILE MACHINE WITH SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:D01H11/00,D01H1/115,D01H13/22 :2010225845 :05/10/2010 :Japan :PCT/JP2011/070583 :09/09/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)Murata Machinery Ltd. Address of Applicant :3 Minami Ochiai cho Kisshoin Minami ku Kyoto shi Kyoto 6018326 Japan</li> <li>(72)Name of Inventor :</li> <li>1)TAKEUCHI Hidetoshi</li> </ul>
Filing Date (87) International Publication No	:WO 2012/046538	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

Provided are: a suction and separation device which reliably separates air and cotton fly and which has a compact centralized duct; and a textile machine provided with the suction and separation device. A suction and separation device (90) provided to a spinning machine (1) wherein the suction and separation device (90) comprises: a plate fan (100) for generating a suction flow for sucking cotton fly; a case (95) for storing the plate fan (100); an air suction duct (93) formed on the case (95); a first air discharge duct formed on the case (95); and a second air discharge opening which is formed in the middle of the flow path formed by the air suction duct (93) and the first air discharge duct and which is covered with a mesh (96).

No. of Pages : 27 No. of Claims : 10

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : USE OF NITROOXY ORGANIC MOLECULES IN FEED FOR REDUCING METHANE EMISSION IN RUMINANTS AND/OR TO IMPROVE RUMINANT PERFORMANCE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:A23K1/16,A23K1/18 :10195857.7	(71)Name of Applicant : 1)DSM IP Assets B.V.
(32) Priority Date	:20/12/2010	Address of Applicant :Het Overloon 1 NL 6411 The Heerlen
(33) Name of priority country	:EPO	Netherlands
(86) International Application No	:PCT/EP2011/072707	(72)Name of Inventor :
Filing Date	:20/12/2011	1)DUVAL Stephane
(87) International Publication No	:WO 2012/084629	2)KINDERMANN Maik
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(2) Divisional to Application Number</li> </ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a method for reducing the production of methane emanating from the digestive activities of a ruminant and/or for improving ruminant animal performance by using as active compound at least one organic molecule substituted at any position with at least one nitrooxy group or a salt thereof which is administrated to the animal together with the feed. The invention also relates to the use of these compounds in feed and feed additives such as premix concentrates and total mixed ration (TMR) or in the form of a bolus.

No. of Pages : 48 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:B01L7/00	(71)Name of Applicant :
(31) Priority Document No	:2010268090	1)Seiko Epson Corporation
(32) Priority Date	:01/12/2010	Address of Applicant :4 1 Nishishinjuku 2 chome Shinjuku ku
(33) Name of priority country	:Japan	Tokyo 1630811 Japan
(86) International Application No	:PCT/JP2011/006652	(72)Name of Inventor :
Filing Date	:29/11/2011	1)KOEDA Hiroshi
(87) International Publication No	:WO 2012/073484	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : THERMAL CYCLER AND THERMAL CYCLE METHOD

(57) Abstract :

A thermal cycler (1) includes a holder (11) that holds a biotip (100) filled with a reaction mixture and liquid having a smaller specific gravity than the reaction mixture and being immiscible with the reaction mixture the biotip (100) including a channel (110) in which the reaction mixture moves a heating unit (12) that heats a first portion (111) of the channel when the biotip (100) is in the holder (11) and a driving unit (20) that disposes the holder (11) and the heating unit (12) by making a switch between a first disposition and a second disposition the first disposition being such that the first portion (111) is in a lowest part of the channel (110) with respect to a gravitational force direction when the biotip (100) is in the holder (11) the second disposition being such that a second portion (112) that is a different portion from the first portion (111) relative to a moving direction of the reaction mixture is in the lowest part of the channel (110) with respect to the gravitational force direction when the biotip (100) is in the biotip (100) is in the holder (11).

No. of Pages : 48 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : GAS FIRED RADIATION EMITTER WITH EMBOSSED SCREEN

(51) International classification	:F23D14/14,F23D14/16	(71)Name of Applicant :
(31) Priority Document No	:10290667.4	1)SOLARONICS S.A.
(32) Priority Date	:20/12/2010	Address of Applicant :ZI n° 3 rue de Kemmel F 59280
(33) Name of priority country	:EPO	Armenti <sup>®</sup> res France
(86) International Application No	:PCT/EP2011/072397	(72)Name of Inventor :
Filing Date	:12/12/2011	1)LENOIR Patrick
(87) International Publication No	:WO 2012/084561	2)OLALDE Valrie
(61) Patent of Addition to Application	:NA	3)EVEN Nicolas
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		•

(57) Abstract :

The present invention relates to a gas fired infrared radiation emitter comprising a burner plate (140) acting as combustion surface and a radiant screen (160) positioned at the combustion side of the perforated tiles. The radiant screen is embossed (180) proving locally different distances between th burner plate and the radiant screen. The result is a higher performance of the gas fired infrared radiation emitter.

No. of Pages : 19 No. of Claims : 15

(21) Application No.3986/DELNP/2013 A

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> </ul>	:H01H21/56,H01H1/20 :12/900965 :08/10/2010 :U.S.A. :PCT/US2011/054543 :03/10/2011 :WO 2012/047778 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SCHNEIDER ELECTRIC USA INC. Address of Applicant :1415 S. Roselle Road Palatine Illinois</li> <li>60067 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)ABROY Hamid S.</li> </ul>
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li></ul>	:NA	
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (54) Title of the invention : DUAL BREAKING POINT ELECTRICAL JOINT

(57) Abstract :

(19) INDIA

Switch assemblies and electrical distribution devices for making and breaking electrical connections in an electrical circuit are disclosed herein. One aspect of the present disclosure is directed to a switch assembly that includes a pair of electrically conductive jaws attached to a platform. The first jaw is configured to electrically connect to an incoming line of the electrical circuit whereas the second jaw is configured to electrically connect to an outgoing line. The switch assembly also includes a blade having at least two electrically conductive plates that are attached to and spaced from each other via an electrical insulator. The blade is pivotably coupled to the platform to rotate between a disengaged position whereat the blade is electrically decoupled from the first and second jaws and an engaged position whereat the blade delivers an electrical current from the incoming line through the first and second plates to the outgoing line.

No. of Pages : 22 No. of Claims : 16

(21) Application No.3885/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:B65D83/14	(71)Name of Applicant :
(31) Priority Document No	:1060046	1)APTAR FRANCE SAS
(32) Priority Date	:03/12/2010	Address of Applicant : Lieudit le Prieur F 27110 Le Neubourg
(33) Name of priority country	:France	France
(86) International Application No	:PCT/FR2011/052846	(72)Name of Inventor :
Filing Date	:02/12/2011	1)FOURMENT Olivier
(87) International Publication No	:WO 2012/072962	2)JACUK Christophe
(61) Patent of Addition to Application	:NA	3)PAPET Grard
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Ale stars at a		1

#### (54) Title of the invention : VALVE FOR DISPENSING A FLUID MATERIAL

(57) Abstract :

The invention relates to a valve for dispensing a fluid material to be mounted on a neck (2) of a vessel (1) containing a fluid material said valve comprising a valve body (10) including a metering chamber (15) and a valve (20) that is mobile within said metering chamber (15) between an inoperative position and a dispensing position said metering chamber (15) comprising a top seal (30) and a bottom seal (40) sealingly engaging with said mobile valve (20) said valve comprising a neck seal (50) sealingly engaging with said valve body (10) and said vessel neck (2) said neck seal (50) and/or said top seal (30) and/or said bottom seal (40) being welded or adhered to the valve body (10).

No. of Pages : 22 No. of Claims : 20

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : TRANSFORMANT OF YEAST OF GENUS SCHIZOSACCHAROMYCES AND METHOD FOR PRODUCING SAME

<ul><li>(51) International classificatio</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	n :C12N15/09,C12N1/19,C12P19/14 :2010249092 :05/11/2010 :Japan	<ul> <li>(71)Name of Applicant :</li> <li>1)ASAHI GLASS COMPANY LIMITED Address of Applicant :5 1 Marunouchi 1 chome Chiyoda ku Tokyo 1008405 Japan</li> </ul>
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	1	<ul> <li>(72)Name of Inventor :</li> <li>1)TOHDA Hideki</li> <li>2)OKADA Katsunori</li> </ul>
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Proviaea are: a transformant of yeast of the genus Schizosaccharomyces, wmch i s capable of producing  $\beta$ -glucosidase; and a method for manufacturing the transformant of yeast of the genus Schizosaccharomyces. This transformant of yeast of the genus Schizosaccharomyces is characterized by having a filamentous fungus-derived structural gene sequence encoding  $\beta$ -glucosi- dase and a promoter sequence and terminator sequence for expressing the structural gene in a chromosome, or alternatively by having the sequences as an extrachromo somal gene. This method for manufacturing a transformant of yeast of the genus Schizosaccharomyces i s characterized in that yeast of the genus Schizosaccharomyces i s transformed by a vector which comprises a filamentous fungus-derived structural gene sequence for expressing the structural gene.

No. of Pages : 42 No. of Claims : 13

(22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : HYDROPHOBIC SUBSTRATES AND METHODS FOR THEIR PRODUCTION USING ACYLOXYSILANES

Application Number       .NA         Filing Date       :NA         (62) Divisional to       :NA         Application Number       :NA         Filing Date       :NA	Application No:16/05/2011Filing Date:WO 2012/047314(87) International:WO 2012/047314Publication No:NA(61) Patent of Addition to:NA
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(57) Abstract :

A method for rendering a substrate hydrophobic includes treating the substrate with an acyloxysilane. The treatment includes impregnating the substrate with an acyloxysilane and thereafter curing (hydrolyzing and condensing the acyloxysilane) to form a silicone resin. The method is particularly useful for rendering paper hydrophobic.

No. of Pages : 42 No. of Claims : 65

(21) Application No.3995/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : MICROVESICLE MEMBRANE PROTEIN AND APPLICATION THEREOF

(51) International classification	:A61K39/00,G01N33/53	(71)Name of Applicant :
(31) Priority Document No	:NA	1)JIANG Ming Chung
(32) Priority Date	:NA	Address of Applicant :2F. No. 5 Alley 31 Lane 61 Sec. 1
(33) Name of priority country	:NA	Guangfu Rd. Sanchong District New Taipei City 241 Taiwan
(86) International Application No	:PCT/CN2011/078559	China
Filing Date	:18/08/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2013/023376	1)JIANG Ming Chung
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		1

(57) Abstract :

The present invention provides a microvesicle membrane protein CSE1L and application thereof. Disclosed are method and kit comprising CSE1L binding agent or phosphorylated CSE1L binding agent for microvesicle isolation or analysis. Also disclosed are CSE1L binding agents or phosphorylated CSE1L binding agents such as anti CSE1L antibody or anti phosphorylated CSE1L antibody and derivatives as well as pharmaceutical compositions and kits comprised the antibodies or derivative for detecting CSE1L or phosphorylated CSE1L in microvesicles or fluids from biological samples for disease diagnosis. Also disclosed are method and kit comprising CSE1L binding agent or phosphorylated CSE1L binding agent for medical imaging or diseases treatment.

No. of Pages : 75 No. of Claims : 24

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : WET FRICTION MATERIAL FOR HAIR REMOVAL DEVICES

(57) Abstract :

A hair removal device comprising a thermoplastic elastomer disposed on a portion of the hair removal device and one or more projections extending from the thermoplastic elastomer. The thermoplastic elastomer is polar and hydrophilic.

No. of Pages : 22 No. of Claims : 15

(21) Application No.3900/DELNP/2013 A

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : COMPOSITION FOR CHEMICALLY MODIFYING THE INTERNAL REGION OF A HAIR SHAFT

(32) Priority Date:19/01/2011Address of J(33) Name of priority country:EPOOhio 45202 U.S(86) International Application:PCT/US2012/021789(72)Name of IrNo:19/01/2012:19/01/20122)KRAUSE T	<b>CTER &amp; GAMBLE COMPANY</b> Applicant :One Procter & Gamble Plaza Cincinnati S.A. <b>nventor :</b> <b>ndreas</b>
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(57) Abstract :

A composition for chemically modifying the internal region of a hair shaft wherein the composition comprises: an ethylenic monomer having a molecular weight of 500 g/mole or less; a cation and an anion; wherein the cation is selected from the group consisting of inorganic cations having a charge density of 0.05 charge/picometre or more; a cosmetically acceptable carrier; wherein the composition has a pH of from 4.0 to 6.9.

No. of Pages : 40 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :03/05/2013

(54) Title of the invention : RAZOR CARTRIDGE		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:B26B21/40,B26B21/22 :10190049.6 :04/11/2010 :EPO :PCT/US2011/058717 :01/11/2011 :WO 2012/061343 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)THE GILLETTE COMPANY <ul> <li>Address of Applicant :World Shaving Headquarters IP/Legal</li> </ul> </li> <li>Patent Department 3E One Gillette Park Boston Massachusetts</li> <li>02127 U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)PETERSON Mark</li> <li>2)RAWLE Stephen Leonard</li> <li>3)WHELAN Trevor John</li> </ul> </li> </ul>

(57) Abstract :

pfA wet shaving razor cartridge has a housing a primary blade and a final blade. The primary blade is located at a front end of the cartridge and the final blade is located at a rear end of the cartridge. The primary and final blades have blade edges that extend in parallel to a length of the housing. An angle a between the primary blade and a blade plane is greater than an angle a between the final blade and the blade plane. The blade plane is tangential to the primary blade edge and the final blade edge.

No. of Pages : 15 No. of Claims : 10

(22) Date of filing of Application :03/05/2013

## (54) Title of the invention : NOVEL CARBOXYLIC ACID ESTER COMPOUND AND PRODUCTION THEREFOR AND PERFUME COMPOSITION THEREOF

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:2010254188 :12/11/2010 :Japan	<ul> <li>(71)Name of Applicant :</li> <li>1)MITSUBISHI GAS CHEMICAL COMPANY INC. Address of Applicant :5 2 Marunouchi 2 chome Chiyoda ku Tokyo 1008324 Japan</li> <li>(72)Name of Inventor :</li> <li>1)KITAMURA Mitsuharu</li> </ul>
Filing Date (87) International Publication No	:WO 2012/063433	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

Provided are: a novel carboxylic acid ester compound having a fresh pine like fragrance said compound being useful as a raw material for blended perfumes; a method for producing the carboxylic acid ester compound; and a perfume composition containing the carboxylic acid ester compound is represented by general formula (1).

No. of Pages : 17 No. of Claims : 3

(21) Application No.3992/DELNP/2013 A

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DISPERSE DYE AND METHOD FOR DYEING HYDROPHOBIC FIBER MATERIAL USING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:C09B67/20,C09B1/14,C09B1/22 :2010258951 :19/11/2010 :Japan :PCT/JP2011/076042 :11/11/2011 :WO 2012/067027 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)NIPPON KAYAKU KABUSHIKI KAISHA Address of Applicant :11 2 Fujimi 1 chome Chiyoda ku Tokyo 1028172 Japan</li> <li>(72)Name of Inventor :</li> <li>1)YAMAMOTO Nobutaka</li> <li>2)TOKUYAMA Hiromitsu</li> <li>3)YAMAGUCHI Toru</li> </ul>
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(57) Abstract :

The present invention relates to a disperse dye composition containing a disperse dye and the like represented by formulas (1) through (4) and a method for dyeing a hydrophobic fiber material using the same. The present invention provides a disperse dye composition and a mixed disperse dye composition that not only have strong light fastness of each color but also well balanced light fastness between the three primary colors and uniform dye properties during dyeing. The present invention also provides a method for dyeing using the disperse dye composition and the mixed disperse dye composition.

No. of Pages : 33 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :03/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : NEW ADJUVANT

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li></ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)LABORATORIOS LETI S.L.</li> <li>Address of Applicant :Calle del Sol 5 ES 28760 Tres Cantos</li> </ul>
<ul> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> </ul>	:10/11/2010 :EPO :PCT/EP2011/069849 :10/11/2011	Madrid Spain (72)Name of Inventor : 1)ALONSO BEDATE Carlos 2)SOTO ALVAREZ Manuel 3)PARODY DE LA FUENTE Nuria 4)PICO DE COA'A SU REZ Yago
(87) International Publication No	:WO 2012/062861	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract :

The invention relates to a new adjuvant and to its use in combination with an antigen.

No. of Pages : 63 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : A SULFUR-CONTAINING POLYURETHANE AND METHOD OF PREPARATION THEREOF (51) International classification :C08G 18/38 (71)Name of Applicant : (31) Priority Document No 1)PPG INDUSTRIES OHIO, INC. :11/303,707 (32) Priority Date Address of Applicant :3800 WEST 143RD STREET. :16/12/2005 (33) Name of priority country CLEVELAND, OHIO 44111, UNITED STATES OF AMERICA :U.S.A. (86) International Application No :PCT/US2006/046639 (72)Name of Inventor : 1)BOJKOVA, NINA V. Filing Date :06/12/2006 (87) International Publication No :WO 2007/078550 2)HERROLD, ROBERT, D. (61) Patent of Addition to Application 3)MCDONALD, WILLIAM, H. :NA Number 4)GRAHAM, MARVIN, J. :NA Filing Date 5)SMITH ROBERT, A. (62) Divisional to Application Number :4460/DELNP/2008 Filed on :26/05/2008

#### (57) Abstract :

The present invention provides polythiol oligomer formed by the reaction of at least two or more different dienes and at least one or more dithiol wherein stoichiometric ratio of the sum of the number of equivalents of all polythiols to the sum of the number of equivalents of all dienes used to form said polythiol oligomer is greater than 1.0 : 1.0; and wherein said two or more different dienes comprise (a) at least one non-cyclic diene and at least one cyclic diene; or (b) at least one aromatic ring-containing diene and at least one non-aromatic cyclic diene; or (c) at least one non-aromatic monocyclic diene and at least one non-aromatic polycyclic diene; Sulfur-containing polyurethane of the present invention can be prepared by combining polyisocyanate, polyisothiocyanate, or mixture thereof; the polythiol oligomer described above; and active hydrogen-containing material.

No. of Pages : 68 No. of Claims : 9

(21) Application No.3899/DELNP/2013 A

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR CHEMICALLY MODIFYING THE INTERNAL REGION OF A HAIR SHAFT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication N</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number</li> </ul>	:11151374.3 :19/01/2011 :EPO :PCT/US2012/021787 :19/01/2012 o:WO 2012/100006 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)THE PROCTER &amp; GAMBLE COMPANY Address of Applicant :One Procter &amp; Gamble Plaza Cincinnati Ohio 45202 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)FLOHR Andreas</li> </ul>
Filing Date	:NA	

(57) Abstract :

A method for chemically modifying the internal region of a hair shaft. The method comprises applying an oxidising formulation to the hair; de wetting the hair; applying a monomer composition to the hair wherein the monomer composition comprises an ethylenic monomer having a molecular weight of 500 g/mole or less and a cosmetically acceptable carrier. Also a kit which comprises: application instructions comprising the method; and the monomer composition.

No. of Pages : 47 No. of Claims : 15

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : EXTRUDED NON REPLICATING PROBIOTIC MICRO ORGANISMS AND THEIR HEALTH BENEFITS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> </ul>	:A23L1/30,A61K35/74,A23L1/00 :10190892.9 :11/11/2010 :EPO :PCT/EP2011/069906 :11/11/2011 :WO 2012/062895 :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>NESTEC S.A.</li> <li>Address of Applicant :Av. Nestl 55 CH 1800 Vevey</li> </ol> </li> <li>Switzerland </li> <li>(72)Name of Inventor : <ol> <li>MERCENIER Annick</li> <li>WERMEILLE Antoine</li> <li>DEMONT Audrey</li> <li>PRIOULT Gunole</li> </ol> </li> </ul>
Application Number Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention generally relates to the field of probiotic micro organisms in particular to the field of non replicating probiotic micro organisms. Embodiments of the present invention relate to compositions comprising probiotic micro organisms that were rendered non replicating by extrusion. Such compositions may be used to treat or prevent disorders that are related to a compromised immune system.

No. of Pages : 54 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : DRINKING YOGHURT PREPARATIONS CONTAINING NON REPLICATING PROBIOTIC MICRO ORGANISMS

(51) International classification	:A23L1/30,A23C9/123	(71)Name of Applicant :
(31) Priority Document No	:10190121.3	1)NESTEC S.A.
(32) Priority Date	:05/11/2010	Address of Applicant : Av. Nestl 55 1800 Vevey Switzerland
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International Application No	:PCT/EP2011/069211	1)MERCENIER Annick
Filing Date	:07/11/2011	2)PRIOULT Gunole
(87) International Publication No	:WO 2012/059501	3)NUTTEN Sophie
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to the field of drinkable yoghurt compositions. In particular the present invention provides drinkable yoghurt compositions comprising non replicating probiotic micro organisms. These non replicating probiotic micro organisms may be bioactive heat treated probiotic micro organisms for example. The present invention also relates to health benefits provided by these non replicating probiotic micro organisms.

No. of Pages : 48 No. of Claims : 15

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : OLIGOSACCHARIDE COMPOSITION FOR TREATING SKIN DISEASES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> <li>(87) International Publication</li> </ul> </li> <li>No <ul> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to</li> <li>Amplication Number</li> </ul> </li> </ul>	:A61K31/702,A61K43/06,A23E1/09 :10192227.6 :23/11/2010 :EPO :PCT/EP2011/070561 :21/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)NESTEC S.A. Address of Applicant :Av. Nestl 55 CH 1800 Vevey Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)SPRENGER Norbert</li> </ul>
Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The invention discloses a composition comprising at least one N acetyl lactosamine at least one sialylated oligosaccharide and at least one fucosylated oligosaccharide for use in the prevention and/or treatment of skin conditions and skin diseases. Preferably said composition is a starter infant formula. Said skin disease is in particular atopic dermatitis.

No. of Pages : 28 No. of Claims : 14

(21) Application No.4004/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:H04N7/32	(71)Name of Applicant :
(31) Priority Document No	:2010251965	1)SONY CORPORATION
(32) Priority Date	:10/11/2010	Address of Applicant :1 7 1 Konan Minato Ku Tokyo 1080075
(33) Name of priority country	:Japan	Japan
(86) International Application No	:PCT/JP2011/075859	(72)Name of Inventor :
Filing Date	:09/11/2011	1)KONDO Kenji
(87) International Publication No	:WO 2012/063878	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (54) Title of the invention : IMAGE PROCESSING DEVICE AND IMAGE PROCESSING METHOD

(57) Abstract :

In a motion prediction/compensation unit (32) when reference image data is used to carry out motion compensation and generate predicted image data on the basis of motion vectors detected by motion detection a compensation control unit (3231) switches filter coefficients supplied to a filter unit (3233) from a coefficient table (3232) in response to loop filter processing on the reference image data used for the generation of the predicted image data. For example when loop filter processing is not carried out the reference data undergoes filter processing using a filter characteristic having high noise reduction intensity. Thus predicted image data having little noise can be generated and deterioration of the quality of predicted images and reduction of compression efficiency can be inhibited.

No. of Pages : 123 No. of Claims : 6

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : USER FEEDBACK THROUGH HANDPIECE OF SURGICAL INSTRUMENT

(51) International classification	:A61B18/04,A61B17/32,A61B19/00	(71)Name of Applicant : 1)ETHICON ENDO SURGERY INC.
(31) Priority Document No	:61/410603	Address of Applicant :4545 Creek Road Cincinnati OH 45242
(32) Priority Date	:05/11/2010	U.S.A.
(33) Name of priority country	y:U.S.A.	(72)Name of Inventor :
(86) International	:PCT/US2011/059358	1)HOUSER Kevin L.
Application No	:04/11/2011	2)DANNAHER William D.
Filing Date		3)DIETZ Timothy G.
(87) International Publication	<sup>1</sup> ·WO 2012/061722	4)STULEN Foster B.
No	. WO 2012/001/22	5)SHELTON Frederick E. IV
(61) Patent of Addition to	:NA	6)YATES David C.
Application Number	:NA :NA	7)WORRELL Barry C.
Filing Date	.INA	
(62) Divisional to	:NA	
Application Number	:NA	
Filing Date	.11A	

(57) Abstract :

A surgical instrument includes a handpiece having a user input feature and a user feedback feature. A shaft assembly extends distally from the handpiece. An end effector is disposed at a distal end of the shaft assembly. The end effector includes an active feature responsive to actuation of the user input feature. The active feature is operable to operate on tissue in response to actuation of the user input feature. The user feedback feature is operable to provide feedback to the user that indicates information relating to operation of the end effector. The feedback may include haptic visual and/or auditory feedback.

No. of Pages : 38 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD OF OPTIMIZING THE SPECIFIC FUEL CONSUMPTION OF A TWIN ENGINE HELICOPTER AND TWIN ENGINE ARCHITECTURE WITH CONTROL SYSTEM FOR IMPLEMENTING IT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F02C6/20,F02C9/44 :1059065 :04/11/2010 :France :PCT/FR2011/052532 :28/10/2011 :WO 2012/059671 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TURBOMECA Address of Applicant :BP 2 F 64510 Bordes France</li> <li>(72)Name of Inventor :</li> <li>1)MARCONI Patrick</li> <li>2)THIRIET Romain</li> </ul>
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#### (57) Abstract :

The invention seeks to reduce the specific fuel consumption Cs of a twin engine helicopter without compromising on the safety conditions regarding the minimum amount of power to be supplied for any kind of mission. To achieve this the invention plans to make available special means capable of guaranteeing reliable in flight restarts. One example of an architecture according to the invention involves two turbine engines (12) each equipped with a gas generator (1121) and a with a free turbine (1222). Each gas generator (11 21) is equipped with active drive means (E1 E2) capable of keeping the gas generator (1 21) rotating with the combustion chamber inactive and an emergency assistance device (U1 U2) comprising near instantaneous firing means and mechanical means for accelerating the gas generator (11 21). The control system (4) controls the drive means (E1 E2) and the emergency assistance devices (U1 U2) for the gas generators (11 21) according to the conditions and phases of flight of the helicopter following a mission profile logged beforehand in a memory (6) of this system (4).

No. of Pages : 20 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :02/05/2013

(54) Title of the invention : HIGH SPEEI	O SHEARS	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:B23D25/12 :10189605.8 :02/11/2010 :EPO :PCT/EP2011/066722 :27/09/2011 :WO 2012/059277 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SIEMENS VAI METALS TECHNOLOGIES GMBH Address of Applicant :Turmstrae 44 A 4031 Linz Austria</li> <li>(72)Name of Inventor :</li> <li>1)PEITL Wolfgang</li> <li>2)ECKERSTORFER Gerald</li> <li>3)HOHENBICHLER Gerald</li> <li>4)LINZER Bernd</li> <li>5)WENZL Wolfgang</li> <li>6)ZAHEDI Michael</li> </ul>

#### (57) Abstract :

High-speed shears High-speed shears for cutting rolling stock to length, comprising two drums (10, 20) which are arranged opposite each other and can be driven by means of the drive device (31) at a circumferential speed that corresponds to the pass-through speed of the rolling stock, wherein each drum (10, 20) has a first part (11), which is rotatably mounted about an axis of rotation (8), and a second part (12), which functions as a carrier of a blade (26), wherein a radial guide (21) is designed between the first part (11) and the second part (12) such that the blade carrier (12) can be adjusted by means of an actuating device (28) between a starting position and a cutting position, wherein the one of the two parts (12) is designed as a hollow crosssection (24) and has a cavity (24) in which the other part (11) is arranged, the one part (12) is slidably mounted on the other part (11).

No. of Pages : 23 No. of Claims : 16

(21) Application No.3923/DELNP/2013 A

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : AQUEOUS CATIONIC POLYURETHANE DISPERSIONS

(51) International classification	:C08G18/08,C08G18/12,C08G18/75	(71)Name of Applicant : 1)LUBRIZOL ADVANCED MATERIALS INC.
(31) Priority Document No	:61/407932	Address of Applicant :9911 Brecksville Road Cleveland Ohio
(32) Priority Date	:29/10/2010	44141 3247 U.S.A.
(33) Name of priority countr	y:U.S.A.	(72)Name of Inventor :
(86) International	:PCT/US2011/058281	1)LUBNIN Alexander V.
Application No	:28/10/2011	2)MALABA Dennis N.
Filing Date	_	
(87) International Publication	<sup>n</sup> :WO 2012/058534	
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date		
(62) Divisional to	:NA	
Application Number Filing Date	:NA	

(57) Abstract :

An aqueous cationic polyurethane dispersion for waterborne digital print and other applications comprising an aqueous dispersion of polyurethane having properly positioned tertiary amino groups e.g. tethered tertiary amino group separated from backbone by at least two intervening atoms or terminal tertiary amino groups with multiple tertiary amino groups per terminus where said amino groups are optionally partially quaternized and/or neutralized.

No. of Pages : 59 No. of Claims : 35

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ROLLING MILL AND ROLLING METHOD FOR METAL SHEET MATERIAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:PCT/JP2012/055515 :05/03/2012 :WO 2012/128019 :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>NIPPON STEEL &amp; SUMITOMO METAL</li> </ol> </li> <li>(CORPORATION <ul> <li>Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku</li> </ul> </li> <li>Tokyo 1008071 Japan</li> <li>(72)Name of Inventor : <ul> <li>I)IWAKI Taisuke</li> <li>NISHIYAMA Yasuhiro</li> <li>WAKATSUKI Kunihiko</li> <li>HIGO Tsuyoshi</li> <li>OGAWA Shigeru</li> </ul> </li> </ul>
(62) Divisional to Application Number Filing Date	n:NA :NA	

(57) Abstract :

The present invention provides a rolling mill for metal sheet material comprising: a housing that accommodates roll chocks has a pair of first projecting blocks projecting inward toward each other and bearing the force in the direction of rolling that operates on a lower work roll and forms a housing window that bears the force in the direction of rolling that operates on an upper work roll; a first hydraulic cylinder provided on the pair of first projecting blocks and having a first piston rod that imposes a bending increasing force on the upper work roll; a second hydraulic cylinder provided on the pair of first projecting blocks and having a first projecting blocks and having a second piston rod that imposes a bending increasing force on the lower work roll; a third hydraulic cylinder provided on an upper reinforcing roll chock and having a third piston rod that imposes a bending decreasing force on the upper work roll or makes the upper work roll contact an upper reinforcing roll and generates a roll balance force; and a fourth hydraulic cylinder having a fourth piston rod that imposes a bending decreasing force on the lower work roll.

No. of Pages : 59 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : CONNECTION OF TWO EXHAUST GAS TREATMENT DEVICE TO EACH OTHER (51) International classification :F01N3/20,F01N3/28 (71)Name of Applicant : (31) Priority Document No 1)EMITEC GESELLSCHAFT FR :10 2010 052 650.9 (32) Priority Date EMISSIONSTECHNOLOGIE MBH :26/11/2010 (33) Name of priority country :Germany Address of Applicant :Hauptstrae 128 53797 Lohmar :PCT/EP2011/070358 Germany (86) International Application No (72)Name of Inventor : Filing Date :17/11/2011 (87) International Publication No :WO 2012/069355 1)BRCK Rolf (61) Patent of Addition to Application 2)ALTH-FER Kait :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The invention relates to an arrangement (1) comprising two exhaust gas treatment devices (2, 3) arranged in succession in an exhaust gas line (4), wherein a first exhaust gas treatment device (2) is connected by a first sub-region (5) via at least one support body (6) to a second sub-region (7) of a second exhaust gas treatment device (3). The support body (6) has opposite ends (9) and at the ends (9) is connected via connections points (8) to a respective sub-region (5, 7), wherein at least the second sub-region (7) is formed by metal components (10) that by virtue of mutual contacting form contact surfaces (11), wherein at most 20% of the area of the contact surfaces (11) comprises solder connections (12) and/or diffusion connections (13).

No. of Pages : 28 No. of Claims : 9

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : MOTOR DRIVEN ELECTROSURGICAL DEVICE WITH MECHANICAL AND ELECTRICAL FEEDBACK

(51) International classification	:A61B18/14,A61B17/285,A61B17/29	<ul> <li>(71)Name of Applicant :</li> <li>1)ETHICON ENDO SURGERY INC. Address of Applicant :4545 Creek Road Cincinnati OH 45242 U.S.A.</li> </ul>
(31) Priority Document No	:61/410603	(72)Name of Inventor :
(32) Priority Date	:05/11/2010	1)YATES David G.
(33) Name of priority country	:U.S.A.	2)ZINGMAN Aron O. 3)KORVICK Donna L.
(86) International Application No Filing Date	:PCT/US2011/059215 :03/11/2011	4)WILLIS John W. 5)MADAN Ashvani K. 6)BOUDREAUX Chad P.
(87) International Publication No	:WO 2012/061638	7)HOUSER Kevin L. 8)SILKAITIS Danius P.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	9)DANNAHER William D. 10)STULEN Foster B. 11)DIETZ Timothy G.
(62) Divisional to Application Number Filing Date	:NA :NA	12)TIMM Richard W. 13)LAIRD Robert J. 14)VAKHARIA Omar J. 15)MONSON Gavin M.
		16)HUNT John V.

(57) Abstract :

An electrosurgical device comprises an end effector a cutting member and en electromechanical driver. The end effector comprises a pair of jaws that clamp tissue. The jaws include electrodes that deliver RF energy to clamped tissue. The cutting member cuts tissue clamped between the jaws. The electromechanical driver drives the cutting member. A control module commands the electromechanical driver and regulates the delivery of RF energy to the electrodes based on a combination of user input and feedback signals from the electrodes and from the electromechanical driver. The device may provide tactile feedback to the user through the user input feature based on a load encountered by the cutting member. The device may alert the user when the exterior of end effector makes incidental contact with tissue to avoid inadvertently burning the tissue. The device may include a removable battery pack to power the electromechanical driver and the electrodes.

No. of Pages : 62 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:A61B19/02,H02J7/02 :61/410603	(71)Name of Applicant : 1)ETHICON ENDO SURGERY INC.
(32) Priority Date	:05/11/2010	Address of Applicant :4545 Creek Road Cincinnati OH 45242
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2011/059212	(72)Name of Inventor :
Filing Date	:03/11/2011	1)STULEN Foster B.
(87) International Publication No	:WO 2012/061635	2)ANDERSON Christopher B.
(61) Patent of Addition to Application	:NA	3)SHELTON Frederick E. IV
Number	:NA	4)STOKES Michael J.
Filing Date	.1171	5)DIETZ Timothy G.
(62) Divisional to Application Number	:NA	6)MADAN Ashvani K.
Filing Date	:NA	7)SMITH Bret W.

(54) Title of the invention : MEDICAL DEVICE PACKAGING WITH CHARGING INTERFACE

(57) Abstract :

An apparatus for delivering power to an electrically powered medical device includes a package and an electrical coupling feature. The package comprises an interior portion and a wall. The interior portion of the package is able to hold a sterile electrically powered medical device having a rechargeable battery. The package is able to maintain sterility of the interior portion of the package. The electrical coupling feature may be in communication with the wall of the package and in further communication with the medical device. The electrical coupling feature may be able to deliver power from an external power source to the medical device to charge the battery of the medical device without compromising the sterility of the package or the sterility of the medical device.

No. of Pages : 71 No. of Claims : 20

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : SURGICAL INSTRUMENT WITH SLIP RING ASSEMBLY TO POWER ULTRASONIC TRANSDUCER

<ul> <li>(51) International</li> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>(33) Name of priority</li> <li>(34) International</li> <li>(35) International</li> <li>(36) International</li> <li>(37) Priority Date</li> <li>(38) International</li> <li>(39) Priority Date</li> <li>(31) Priority Date</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>(34) Priority Date</li> <li>(35) International</li> <li>PCT/US2011/059220</li> <li>(37)11/2011</li> <li>(37) International</li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> <li>Filing Date</li> <li>(51) Patent</li> <li>(52) Divisional to</li> <li>(53) NA</li> <li>(54) Patent</li> <li>(55) Patent</li> <li>(56) Patent</li> <li>(57) Patent</li> <li>(57) Patent</li> <li>(51) Patent</li> <li>(51) Patent</li> <li>(51) Patent</li> <li>(51) Patent</li> <li>(51) Patent</li> <li>(52) Divisional to</li> <li>(51) Patent</li> <li>(51) Patent</li> <li>(51) Patent</li> <li>(51) Patent</li> <li>(52) Divisional to</li> <li>(51) Patent</li> <li>(51) Patent</li> <li>(51) Patent</li> <li>(51) Patent</li> <li>(52) Divisional to</li> <li>(51) Patent</li> <li>(51) Patent</li> <li>(51) Patent</li> <li>(52) Divisional to</li> <li>(51) Patent</li> <li>(51) Patent&lt;</li></ul>	<ul> <li>(71)Name of Applicant :</li> <li>1)ETHICON ENDO SURGERY INC. Address of Applicant :4545 Creek Road Cincinnati OH 45242 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)MUMAW Daniel J.</li> <li>2)BIALCZAK Shawn D.</li> <li>3)RHEE Sora</li> <li>4)DAVIS Craig T.</li> <li>5)WEED John A. III</li> <li>6)RUPP Kip M.</li> <li>7)STULEN Foster B.</li> <li>8)DIETZ Timothy G.</li> <li>9)HOUSER Kevin L.</li> </ul>
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#### (57) Abstract :

A surgical instrument includes a rotatable electrical coupling assembly having a first part and a second part that electrically couple and rotate relative to each other. The second part is carried by and rotates with a tube collar coupled to a transducer. A portion of the transducer is inserted through an aperture of the second part but does not contact the second part. The first part of the assembly may electrically couple to the second part via pogo pins brush contacts or ball bearings. Alternatively the first part may comprise conductive channels formed in the casing. The second part may comprise a rotatable drum with a conductive trace. In some versions one or more components may comprise MID components. In another version the rotatable electrical coupling assembly comprises a rotatable PC board and brush contact. Further still a circuit board may be provided with the transducer inside a transducer casing.

No. of Pages : 96 No. of Claims : 20

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : AFFINITY CHROMATOGRAPHY MATRIX

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> </ul>	:PCT/SE2011/051432 :28/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)GE HEALTHCARE BIO SCIENCES AB Address of Applicant :Patent Department Bjrkgatan 30 S 751</li> <li>84 Uppsala Sweden</li> <li>(72)Name of Inventor :</li> <li>1)BJ–RKMAN Tomas</li> <li>2)RODRIGO Gustav</li> </ul>
(87) International Publication No	:WO 2012/074463	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a method of separating one or more immunoglobulin containing proteins from a liquid. The method includes first contacting the liquid with a separation matrix comprising ligands immobilised to a support; allowing the immunoglobulin containing proteins to adsorb to the matrix by interaction with the ligands; followed by an optional step of washing the adsorbed immunoglobulin containing proteins; and recovering said immunoglobulin containing proteins by contacting the matrix with an eluent which releases the proteins. The method improves upon previous separation methods in that each of the ligands comprises one or more of a protein A domain (E D A B C) or protein Z or a functional variant thereof with at least one of the monomers having a substitution of the C terminal most proline residue after the third alpha helix.

No. of Pages : 37 No. of Claims : 41

#### (19) INDIA

(22) Date of filing of Application :02/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : ISOLATING DECOUPLER

<ul> <li>(51) International</li> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)THE GATES CORPORATION <ul> <li>Address of Applicant :(a Delaware Corporation) 1551</li> </ul> </li> <li>Wewatta Street Denver CO 80202 U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)HARVEY John</li> </ul> </li> </ul>
(87) International Publication No	:WO 2012/102946	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An isolating decoupler comprising a hub a one way clutch engaged with the hub a pulley rotationally engaged with the hub a spring operationally engaged between the one way clutch and the pulley and an inertia member engaged with the hub through an elastomeric member the inertia member substantially disposed within a width of the pulley the inertia member moveable independently of the pulley.

No. of Pages : 11 No. of Claims : 4

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : USER ACTIVATED SELF CONTAINED CO PACKAGED IONTOPHORETIC DRUG DELIVERY SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:61/416623 :23/11/2010 :U.S.A. :PCT/US2011/059981 :09/11/2011 :WO 2012/071175 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>NUPATHE INC.</li> <li>Address of Applicant :227 Washington Street Suite 200</li> </ol> </li> <li>Conshohocken PA 19428 U.S.A.</li> <li>(72)Name of Inventor : <ol> <li>SEBREE Terri B.</li> <li>STATHOPULOS Robert P.</li> <li>VINATORU Mihai A.</li> </ol> </li> </ul>
Filing Date	:NA	

(57) Abstract :

A user activated self contained co packaged iontophoretic drug delivery system and method of use for treatment of a subject are described.

No. of Pages : 29 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:F01D5/18	(71)Name of Applicant :
(31) Priority Document No	:10196512.7	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:22/12/2010	Address of Applicant :Wittelsbacherplatz 2 80333 M <sup>1</sup> /4nchen
(33) Name of priority country	:EPO	Germany
(86) International Application No	:PCT/EP2011/071598	(72)Name of Inventor :
Filing Date	:02/12/2011	1)DAVIS Anthony
(87) International Publication No	:WO 2012/084454	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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### (54) Title of the invention : IMPINGEMENT COOLING OF GAS TURBINE BLADES OR VANES

(57) Abstract :

The present invention relates to aerofoil shaped gas turbine components such as gas turbine rotor blades and stator vanes and to impingement tubes used in such components for cooling purposes. The present invention further relates to a method for assembling impingement tubes in such components. According the invention an impingement tube is being formed from at least two separate sections each extending span wise through a hollow aerofoil. The first of said at least two sections of the impingement tube is inserted first into the hallow aerofoil and manoeuvred in direction of a trailing edge region of the hollow aerofoil into position in a rear of a cavity of the hollow aerofoil. The first section and second section of said impingement tube is inserted together by a locking means wherein said locking means locking said impingement tube into place in the hollow aerofoil characterized in that said locking means is arranged in an axially direction between said sections and has a main extension which extends in a radial direction of the hollow aerofoil.

No. of Pages : 14 No. of Claims : 11

(21) Application No.4028/DELNP/2013 A

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : TREATMENT AND PREVENTION OF MALARIA

classification:A61K39/002,A61P33/06,G01N33/53(31) Priority Document No:61/411598(32) Priority Date:09/11/2010(33) Name of priority:U.S.A	<ul> <li>(71)Name of Applicant :</li> <li>1)THE WALTER AND ELIZA HALL INSTITUTE OF MEDICAL RESEARCH Address of Applicant :WEHI 1G Royal Parade Parkville Melbourne Victoria 3052 Australia</li> <li>(72)Name of Inventor :</li> <li>1)CHEN Lin</li> <li>2)COWMAN Alan</li> <li>3)TRIGLIA Tony</li> </ul>
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#### (57) Abstract :

The present invention relates to polypeptides from and polynucleotides encoding the polypeptides. The invention further relates to compositions comprising the polypeptides and their use in the treatment and prevention of malaria.

No. of Pages : 168 No. of Claims : 45

(22) Date of filing of Application :29/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : HIGH POROSITY HIGH BASIS WEIGHT FILTER MEDIA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> </ul>	:PCT/US2011/066330 :20/12/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)E. I. DU PONT DE NEMOURS AND COMPANY Address of Applicant :1007 Market Street Wilmington Delaware 19898 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)VELU Yogeshwar K.</li> <li>2)GIVENS Steven R.</li> <li>3)GUCKERT Joseph Robert</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A filter medium containing a nonwoven nanoweb made of aromatic polymer fibers wherein the nanoweb has a porosity of 85% or greater a basis weight of 5 grams per square meter or greater a mean pore size of 0.1 to 10  $\mu$ m and a uniformity index of between 1.5 and 2.5.

No. of Pages : 17 No. of Claims : 17

(21) Application No.3813/DELNP/2013 A

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : LIQUID CLEANING COMPOSITIONS CONTAINING LONG CHAIN FATTY ALCOHOLS

(57) Abstract :

A composition comprising a) a surfactant comprising an anionic surfactant; b) at least 8 weight % of the composition of a C12 18 fatty alcohol and c) water. A cleansing method includes applying the composition to skin or hair and washing and optionally rinsing with water.

No. of Pages : 14 No. of Claims : 13

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : LIQUID CLEANING COMPOSITION CONTAINING LONG CHAIN FATTY ACID

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication N</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:A61K8/44,A61K8/46,A61K8/60 :NA :NA :NA :PCT/US2010/059683 :09/12/2010 o:WO 2012/078160 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)COLGATE PALMOLIVE COMPANY Address of Applicant :300 Park Avenue New York New York</li> <li>10022 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)FAN Aixing</li> <li>2)MASTRULL Jeffrey</li> <li>3)SIMPSON Edward</li> </ul>
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(57) Abstract :

An aqueous composition includes: (a) surfactants comprising a salt of a C10 alcohol ethoxylate sulfate, a betaine surfactant, and an alkyl polyglucoside, wherein the salt of the C10 alcohol ethoxylate sulfate is present in a quantity that is greater than any other surfactant; (b) at least 15 weight % of the composition of a C fatty acid. A cleansing method includes applying the composition to skin or hair and washing, and optionally rinsing with water.

No. of Pages : 16 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :30/04/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : CLEANSING COMPOSITION (51) International classification :A61K8/81,A61Q19/10,C11D9/18 (71)Name of Applicant : (31) Priority Document No 1)COLGATE PALMOLIVE COMPANY :NA (32) Priority Date Address of Applicant :300 Park Avenue New York New York :NA (33) Name of priority country 10022 U.S.A. :NA (86) International Application (72)Name of Inventor : :PCT/US2010/059612 1)SCALA Diana No :09/12/2010 2)HALL PUZIO Patricia Filing Date (87) International Publication :WO 2012/078154 No (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

A liquid cleansing composition comprising water in an amount sufficient to form a liquid composition a fatty acid soap a structuring agent and talc. The cleansing composition has a creamy texture and provides good skinfeel properties.

No. of Pages : 11 No. of Claims : 25

(21) Application No.3816/DELNP/2013 A

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : ORAL CARE COMPOSITIONS COMPRISING A QUINONE AND A FURTHER ANTIMICROBIAL AGENT

classification:AGTK31/047,AGTK31/055,AGTK31/0851)COLG(31) Priority Document:NA:AddressNo:NAU.S.A.(32) Priority Date:NA(72)Name(33) Name of priority:NA1)DU THcountry:NA3)SANT	ne of Applicant : LGATE PALMOLIVE COMPANY ress of Applicant :300 Park Avenue New York NY 10022 ne of Inventor : THUMM Laurence HAEFFER KORBYLO Lyndsay NTOS David RACZ Stanislav
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(57) Abstract :

Described herein are compositions comprising a quinone and one or more antibacterial agents and methods of preparing and using the same.

No. of Pages : 26 No. of Claims : 22

#### (19) INDIA

(22) Date of filing of Application :06/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : STATIC DESALTER SIMULATOR

(57) Abstract :

A small scale static simulator for crude oil refinery desalters has an oil bath a portion of which is made of a transparent material a heater/circulator configured to control the temperature of the oil bath and an emulsion forming device. The desalter simulator also includes a plurality of mixing tubes each mixing tube having a cap member with a blending assembly configured to work with the emulsion forming device to emulsify an oil/water mixture contained in the mixing tube. A tube holding rack is received in the oil bath. The tube holding rack has a plurality of parallel plates said plates having openings forming mixing tube receiving apertures. The desalter simulator includes at least one light source positioned adjacent to the oil bath wherein the light source comprises an under light positioned beneath the oil bath configured to direct light into each of the mixing tubes located in the tube holding rack wherein the light source is directed through the transparent portion to aid in visualization and testing of the demulsification process. The desalter simulator also includes a power supply wherein the plates of the tube holding rack are connected to the power supply to form an electric grid adjacent the mixing tubes.

No. of Pages : 27 No. of Claims : 21

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD OF USING ALDEHYDE FUNCTIONALIZED POLYMERS TO INCREASE PAPERMACHINE PERFORMANCE AND ENHANCE SIZING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	<ul> <li>:C08L61/00,C08G2/00,C08K7/02</li> <li>:12/938017</li> <li>:02/11/2010</li> <li>:U.S.A.</li> <li>:PCT/US2011/058783</li> <li>:01/11/2011</li> <li>:WO 2012/061384</li> <li>:NA</li> <li>:NA</li> <li>:NA</li> </ul>	<ul> <li>(71)Name of Applicant :</li> <li>1)NALCO COMPANY Address of Applicant :1601 W. Diehl Road Naperville Illinois</li> <li>60563 1198 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)GRIMM Mark</li> <li>2)ST. JOHN Michael R.</li> </ul>
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(57) Abstract :

Novel sizing mixtures to achieve improved sizing along with other benefits is disclosed and claimed. The invention is a composition comprising a sizing mixture having a stabilizing amount of one or more aldehyde functionalized polymers and a sizing amount of a sizing composition. The invention is also a method of improving paper and paperboard production and enhancing sizing through adding an effective amount of the disclosed sizing mixture to the paper machine and a method of producing a medium having cellulosic fibers wherein the method includes adding the disclosed sizing mixture to the medium at any point in a papermaking process.

No. of Pages : 24 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD AND SYSTEM FOR NETWORK ELEMENT SERVICE RECOVERY

(51) International classification	:H04L29/14,H04L29/06	(71)Name of Applicant :
(31) Priority Document No	:12/948452	1)ALCATEL LUCENT
(32) Priority Date	:17/11/2010	Address of Applicant :3 avenue Octave Grard F 75007 Paris
(33) Name of priority country	:U.S.A.	France
(86) International Application No	:PCT/US2011/059918	(72)Name of Inventor :
Filing Date	:09/11/2011	1)BAUER Eric
(87) International Publication No	:WO 2012/067910	2)EUSTACE Daniel W.
(61) Patent of Addition to Application	:NA	3)ADAMS Randee Susan
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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(57) Abstract :

A method and system for network element recovery are provided. In one form frontend servers intelligently proxy error or unavailability messages returned by backend servers and simulate frontend server failure. In at least one form the frontend server also includes intelligence or logic to determine that directing the client to recover service to an alternate system or site would assure better service availability reliability and/or quality of experience for the client.

No. of Pages : 23 No. of Claims : 10

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PHENYLKETONE CARBOXYLATE COMPOUNDS AND PHARMACEUTICAL USES THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document Not</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No Filing Date</li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> </ul>	.C0/C59/90,A61K31/192,A61K31/196	<ul> <li>(71)Name of Applicant : <ol> <li>PROMETIC BIOSCIENCES INC.</li> <li>Address of Applicant :531 boulevard des Prairies Building 15</li> </ol> </li> <li>Laval Quebec H7V 1B7 Canada</li> <li>(72)Name of Inventor : <ol> <li>ZACHARIE Boulos</li> <li>PENNEY Christopher</li> <li>ABBOTT Shaun</li> <li>GAGNON Lyne</li> <li>GROUIX Brigitte</li> <li>LAURIN Pierre</li> <li>BIENVENU Jean Francois</li> </ol> </li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract :

Phenylketone carboxylate compounds of Formula I wherein n=2 6; R=C(0); OC(O) or CH( OH) ; A is

(CH2)mCOOH W(CH2)mCOOH or YCH(COOH)((CH2)pCH3) when B is Ft B is (CH2)mCOOH W(CH2)mCOOH or YCH(COOH)((CH2)pCH3) when A is Ft or A snd B form a 5 7 membered cycloalkyl substituted with COOFt W=0 S or NFt Y=0 S NH or CH2; m=0 2; p=1 7; have been prepared. These compounds and their pharmaceutically acceptable salts have beneficial therapeutic effects to prevent or treat a condition related to (1) blood disorders (ii) inflammation related diseases (iii) renal disorders and/or renal disorders complications or (iv) fibrosis related organ dysfunction.

No. of Pages : 70 No. of Claims : 24

(19) INDIA

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:F23K3/00,F27D3/00	(71)Name of Applicant :
(31) Priority Document No	:61/390822	1)AFS TECHNOLOGY LLC
(32) Priority Date	:07/10/2010	Address of Applicant :4060 Gibson Drive Tipp City OH
(33) Name of priority country	:U.S.A.	45371 U.S.A.
(86) International Application No	:PCT/US2011/055166	(72)Name of Inventor :
Filing Date	:06/10/2011	1)TIERNAN John J.
(87) International Publication No	:WO 2012/048159	2)BOWMAN Allen G.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1111	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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### (54) Title of the invention : SOLID FUEL SKEWER SUSPENSION BURNING SYSTEM

(57) Abstract :

A skewer system comprises a skewer rod that holds tires in suspension during an incineration process where the tires are burned for fuel in a kiln such as a cement kiln or a lime kiln. In certain implementations the skewer system also comprises a fuel advancing system to advance tires loaded onto the skewer rod into the heated gas in a stationary heat transfer station of the kiln. In further exemplary implementations the skewer system comprises a mechanism to recover wire remnants from incinerated tires the wire can be cut off the skewer and dropped into the kiln or the wire itself can be burned off.

No. of Pages : 46 No. of Claims : 20

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR PRODUCING DETERGENT PARTICLE GROUP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(36) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> <li>(61) Patent</li> <li>(62) Divisional to Application</li> <li>NA</li> <li>NA</li> <li>NA</li> <li>NA</li> <li>NA</li> <li>NA</li> </ul>	<ul> <li>(71)Name of Applicant : <ul> <li>1)KAO CORPORATION</li> <li>Address of Applicant :14 10 Nihonbashi Kayabacho 1 chome</li> <li>Chuo ku Tokyo 1038210 Japan</li> <li>(72)Name of Inventor : <ul> <li>1)YAMAGUCHI Masahiro</li> <li>2)NAKAYAMA Takashi</li> <li>3)WARITA Hiroaki</li> <li>4)IMAIZUMI Yoshinobu</li> </ul> </li> </ul></li></ul>
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(57) Abstract :

A method for producing detergent particles including the step of granulating spray-dried particles and powder raw materials for detergents using a 5 vessel rotary mixer, wherein the granulating step includes adding an anionic surfactant and/or an acid precursor thereof to the vessel rotary mixer using a multi-fluid nozzle. According to the method for producing detergent particles of the present invention, some effects that medium- to low-bulk density detergent particles can be obtained in an excellent yield, while reducing the proportion of 10 the spray-dried particles used, and that detergent particles having a sharp particle size distribution and excellent free flowability can be obtained are exhibited.

No. of Pages : 52 No. of Claims : 11

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHODS AND SYSTEMS FOR PROVIDING AND CONTROLLING CRYPTOGRAPHICALLY SECURE COMMUNICATIONS ACROSS UNSECURED NETWORKS BETWEEN A SECURE VIRTUAL TERMINAL AND A REMOTE SYSTEM

(31) Priority Document No:61(32) Priority Date:04(33) Name of priority country:U.(86) International Application No:PCFiling Date:04	1/389511 4/10/2010 .S.A. CT/US2011/054756 4/10/2011 /O 2012/051006 A A A	<ul> <li>(71)Name of Applicant :</li> <li>1)UNISYS CORPORATION <ul> <li>Address of Applicant :801 Lakeview Dr. Suite 100 M/S 2NW</li> </ul> </li> <li>Blue Bell PA 19422 U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)FARINA Ralph Robert</li> <li>2)NIETERS Thomas</li> <li>3)RAJCAN Steven</li> <li>4)TROCKI Jim</li> <li>5)VALLEVAND Mark K.</li> </ul> </li> </ul>
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#### (57) Abstract :

Methods and systems for securely connecting a client computer having a secure boot device to a remote server over a communications network are disclosed. One method includes booting a client computer from a trusted set of processing modules stored in the secure boot device verifying the contents of the trusted set of processing modules prior to execution of these processing modules and providing authentication information from data stored upon the secure boot device to an authentication server to establish a secure connection to the remote server. The method also includes establishing the secure connection with the remote server using encryption keys stored on the secure boot device and transferring data between the client computer and the remote server over the secure connection to perform transactions initiated by a user of the client computer. In the disclosed method the remote server utilizes encryption keys associated with a unique ID from the secure boot device.

No. of Pages : 95 No. of Claims : 22

(21) Application No.3793/DELNP/2013 A

(22) Date of filing of Application :30/04/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : CEMENT CLINKER MANUFACTURING PLANT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	) :PCT/FR2011/052512 :27/10/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)VICAT <ul> <li>Address of Applicant :Tour Manhattan 6 place de l'Iris F</li> </ul> </li> <li>92095 Paris La Defense France <ul> <li>(72)Name of Inventor :</li> <li>1)HUE Fran§ois</li> <li>2)PASQUIER Michel</li> <li>3)LAC Philippe</li> </ul> </li> </ul>
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(57) Abstract :

The invention relates to a cement clinker manufacturing plant characterized in that it comprises: a plant for producing purified syngas obtained from solid waste and means for transferring ash recovered from the ash pan (6) of the gasifier (3) to at least one inlet of the feedstock conversion device which the plant includes and/or of the furnace (15) for the purpose of incorporating said ash into the feedstock; and means (32) for conveying the purified syngas to the main tuyere (7) of the furnace (15) and/or to at least one inlet of the feedstock conversion device.

No. of Pages : 19 No. of Claims : 16

(21) Application No.4046/DELNP/2013 A

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : TEMPERATURE SENSITIVE COMPOSITE FOR PHOTONIC CRYSTALS

<ul> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> </ul>	:PCT/US2011/060230 :10/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)PRC DESOTO INTERNATIONAL INC. Address of Applicant :12780 San Fernando Road Sylmar California 91342 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)VANIER Noel R.</li> <li>2)DECKER Eldon L.</li> <li>3)HELLRING Stuart D.</li> <li>4)XU Xiangling</li> <li>5)PURDY Sean</li> <li>6)MCCOLLUM Gregory J.</li> </ul>
Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	n:NA :NA	

(57) Abstract :

A composite photonic crystal comprising an inverse opal structure defining an ordered array of voids with a filler composition received within the voids. A property of the filler composition changes in response to a stimulus such as a temperature change thereby changing the band gap of radiation that is reflected by the composite photonic crystal.

No. of Pages : 22 No. of Claims : 24

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : TUBULAR THREADED JOINT HAVING IMPROVED HIGH TORQUE PERFORMANCE

<ul> <li>(51) International classification</li> <li>(31) Priority Document Not</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:05/11/2010 :Japan :PCT/JP2011/076016 :04/11/2011 :WO 2012/060472 :NA	<ul> <li>(71)Name of Applicant : <ol> <li>NIPPON STEEL &amp; SUMITOMO METAL</li> </ol> </li> <li>CORPORATION <ul> <li>Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku</li> </ul> </li> <li>Tokyo 1008071 Japan <ul> <li>VALLOUREC MANNESMANN OIL &amp; GAS FRANCE</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)GOTO Kunio</li> <li>2)YAMAMOTO Yasuhiro</li> </ul> </li> </ul>
Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A lubricating coating which can prevent the occurrence of galling even when makeup is carried out with a high torque and which has excellent rust preventing properties is formed on the contact surfaces of a pin and/or a box of a tubular threaded joint. The lubricating coating contains copolymer particles made from particles of an acrylic silicone copolymer with an average particle diameter of 10 50  $\mu$ m dispersed in a highly viscous matrix made from a mixture of a rosin based substance selected from rosin and its derivatives wax a metal soap and a basic metal salt of an aromatic organic acid (such as highly basic Ca sulfonate).

No. of Pages : 47 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SECURE PARTITIONING WITH SHARED INPUT/OUTPUT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:PCT/US2011/057976 :27/10/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)UNISYS CORPORATION <ul> <li>Address of Applicant :801 Lakeview Dr. Suite 100 M/s 2nw</li> </ul> </li> <li>Blue Bell PA 19422 U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)WEBER William L.</li> <li>2)KERSHNER David A.</li> <li>3)LANDIS John A.</li> <li>4)JORDAN William P.</li> </ul> </li> </ul>
Filing Date (62) Divisional to Application		
Number Filing Date	:NA :NA	

(57) Abstract :

A soft partitioning system for allowing multiple virtual system environments to execute on a single platform may include I/O service partitions (IOSPs). The IOSPs operating in a separate virtual memory space on the platform and service disk and network requests from multiple guests. The IOSPs provide translation from virtual addresses to physical addresses such that from the point of view of the guest the virtual addresses used by the guest appear to be physical addresses. The IOSP may be implemented in a Linux kernel. The address space of the IOSP may be extended to include DMA memory sections such that the Linux kernel does not include all of the guest s memory. The IOSP may operate on hardware that does or does not support virtualization technology for directed I/O.

No. of Pages : 25 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR IMPROVING THE TEXTURAL ATTRIBUTES OF BAKED SNACK FOODS (51) International classification :A21D2/16 (71)Name of Applicant : (31) Priority Document No 1)FRITO LAY NORTH AMERICA INC. :12/904210 (32) Priority Date Address of Applicant :7701 Legacy Drive Plano TX 75024 :14/10/2010 (33) Name of priority country 4099 U.S.A. :U.S.A. (86) International Application No :PCT/US2011/055379 (72)Name of Inventor : **1)BORTONE Eugenio** Filing Date :07/10/2011 (87) International Publication No :WO 2012/051068 2)QUINTERO FUENTES Ximena (61) Patent of Addition to Application 3)RAO V.N. Mohan :NA Number 4)WELLER William Cartwright :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A method improving the textural attributes of baked snack foods. The method comprises mixing ingredients extruding the ingredients to form a collet hydrating the collet with a hydrating fluid to form a hydrated collet and baking the hydrated collet. The hydrating fluid can comprise water oil a surfactant an emulsifier and mixtures thereof. In one embodiment the baking comprises utilizing an impingement oven. The method discussed herein more resembles the taste and texture of a fried product than does prior art baking methods.

No. of Pages : 23 No. of Claims : 17

#### (19) INDIA

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : WATER RESISTANT CEILING TILE		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:E04C2/26,E04B9/04,C09D5/08 :NA :NA :NA o :PCT/US2010/052988 :18/10/2010	

(57) Abstract :

A ceiling tile comprising a core an appearance coating on a face side of the tile and a waterproof coating on a backside of the tile the core including a filler binder and fiber elements dried from a water based slurry or paste of said elements the core being water permeable and containing a non white stain producing material susceptible to being leached out of the core by water percolating through the core the appearance coating exhibiting a high light reflectivity by virtue of containing a white colored constituent and being pervious to water the waterproof coating serving to repel and bead up water droplets deposited on the backside of the tile.

No. of Pages : 11 No. of Claims : 8

#### (19) INDIA

(22) Date of filing of Application :06/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : TURBOCHARGER EGR MODULE

<ul> <li>(51) International</li> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> </ul>	:PCT/US2011/056055 :13/10/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)BORGWARNER INC. Address of Applicant :3850 Hamlin Road Auburn Hills MI 48326 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)KEEFOVER Robert D.</li> </ul>
(87) International Publication No	:WO 2012/054282	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A product comprising a turbine torsionally connected to a compressor a housing for said turbine a housing for said compressor fixed with respect to said turbine housing and an exhaust gas recirculation valve mounted on at least one of said turbine or said compressor housings.

No. of Pages : 13 No. of Claims : 13

(21) Application No.4038/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : HIGH STRENGTH PHOSPHATE BASED CEMENT HAVING LOW ALKALINITY		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul> </li> <li>Number <ul> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul> </li> </ul>	:C04B28/34 :12/909483 :21/10/2010 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>(71)Name of Applicant :</li> <li>(71)UNITED STATES GYPSUM COMPANY Address of Applicant :550 West Adams Street Chicago Illinois 60661 3676 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>(72)Name of Inventor :</li> </ul>

(57) Abstract :

A mixture for making a high strength phosphate cement includes monopotassium phosphate a Group IIA metal oxide in amounts of about 20 to about 100 parts per 100 parts of the monopotassium phosphate and monocalcium orthophosphate in amounts of from about 3 to about 30 parts per 100 parts of the monopotassium phosphate. Products made from the phosphate cement have a pH of less than about 9 and the product develops a compressive strength greater than 2000 psi in 24 hours.

No. of Pages : 21 No. of Claims : 10

#### (19) INDIA

(22) Date of filing of Application :06/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : EXHAUST GAS TURBOCHARGER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:PCT/US2011/057252 :21/10/2011 :WO 2012/061040 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BORGWARNER INC. Address of Applicant :Patent Department 3850 Hamlin Road Auburn Hills MI 48326 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)TSCHIRSCHKE Hans Juergen</li> </ul>
Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to an exhaust gas turbocharger (1) having a turbine housing (2) and having an exhaust manifold (3) connected to the turbine housing (2) wherein at least one adapter ring (4 5) is arranged between the turbine housing (2) and the exhaust manifold (3).

No. of Pages : 11 No. of Claims : 10

(22) Date of filing of Application :07/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : STACK OF INTERFOLDED ABSORBENT SHEET PRODUCTS

<ul> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> <li>(87) International Publication</li> </ul> </li> <li>No <ul> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to</li> <li>Application Number</li> </ul> </li> </ul>	:WO 2012/05/694 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SCA HYGIENE PRODUCTS AB. Address of Applicant :S 405 03 Gteborg Sweden</li> <li>(72)Name of Inventor :</li> <li>1)FORMON John S.</li> <li>2)ALBRECHT Frederick R.</li> </ul>
Application Number	:NA	

#### (57) Abstract :

A stack of interfolded absorbent sheet products comprises a plurality of absorbent sheets each of which is itself folded at least twice about axes that are perpendicular to one another. Each sheet comprises a first fold that is offset from a line parallel to the first fold bisecting the sheet and a second fold approximately bisecting the sheet in a direction perpendicular to the first fold. Each sheet is folded such that offset portions of the sheet are positioned interiorly of the sheet when folded. The absorbent sheets preferably have an embossed surface relief of a predetermined pattern or design. Each of the absorbent sheets within the stack comprises at least one pair of panels sandwiched between a pair of adjacent panels of another of the absorbent sheets in the stack.

No. of Pages : 27 No. of Claims : 17

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : ENGAGEMENT CHAIN TYPE DEVICE FOR FORWARD AND BACKWARD MOVEMENT OPERATION

(57) Abstract :

In order to stably drive a body to be driven such as a lifting table, an engagement chain type device (100) for 5 forward and backward movement is configured in such a manner that a pair of engagement chains (110, 110) has rigid chain portions (HOD). The rigid chain portions (HOD) are configured in such a manner that, within a predetermined range from the front ends of the chains in the direction in which 10 the pair of engagement chains (110, 110) is rigid, inner tooth plates (111) are constantly engaged with each other and outer tooth plates (112) are constantly engaged with each other. Square column-shaped reinforcement core members (140) fitted I in the square column-shaped hollow sections (S) of the rigid I 15 chain portions (HOD) are connected to mounting members (C).

No. of Pages : 33 No. of Claims : 7

(22) Date of filing of Application :07/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : SENSOR UNIT ACTUATING MECHANISM AND LIQUID CRYSTAL DISPLAY DEVICE PROVIDED WITH SENSOR UNIT ACTUATING MECHANISM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:PCT/JP2011/063276 :09/06/2011 :WO 2012/060129 :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>1)EIZO Corporation</li> <li>Address of Applicant :153 Shimokashiwano machi Hakusan</li> <li>shi Ishikawa 9248566 Japan</li> </ol> </li> <li>(72)Name of Inventor : <ol> <li>1)HOGO Hidekazu</li> <li>2)KITAMURA Makoto</li> </ol> </li> </ul>
Number Filing Date	:NA	

#### (57) Abstract :

The object is to provide a novel sensor unit actuating mechanism that can cause a sensor unit to leave or enter a frame smoothly even when the thickness of the frame is reduced and that has a mechanism for coping with a prank by a child or the like, such as a pushback of the sensor unit. The sensor unit actuating mechanism includes a frame (2), a sensor unit (3) including an optical sensor (41), a spring member (6) configured to expand or contract in a Y direction, actuators (5, 15) configured to contract against the resilience of the spring member (6) when energized, and a guide member (17) for moving the sensor unit (3) lineeirly in an X direction. When the actuator (5) is energized, the sensor unit (3) is linearly moved from inside the frame (2) to the measurement position; when the actuator (15) is energized, the sensor unit (3) is linearly moved from the measurement position to inside the frame (2) and stored therein.

No. of Pages : 59 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :07/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : BOTTOM GATE DEVICE AND HOPPER CAR USING THE SAME

(31) Priority Document No:201(32) Priority Date:20/(33) Name of priority country:Chi(86) International Application No:PCFiling Date:27/	1D //22 1110320400.7 '10/2011 ina T/CN2012/079275 '07/2012 D 2013/056583	<ul> <li>(71)Name of Applicant :</li> <li>1)QIQIHAR RAILWAY ROLLING STOCK CO. LTD Address of Applicant :No.36 Changqian 1st Ave. Tiefeng District Qiqihar Heilongjiang 161002 China</li> <li>(72)Name of Inventor :</li> <li>1)YUE Linghan</li> <li>2)YANG Shuang</li> <li>3)YU Lei</li> <li>4)HE Baichuan</li> <li>5)LI Zhigang</li> <li>6)ZHAO Tianjun</li> <li>7)FU Yong</li> <li>8)WANG Shengkun</li> </ul>
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(57) Abstract :

There is a bottom gate device and a hopper car using the same. The bottom gate device is provided with a first bottom door (3) and a second bottom door (4). The first bottom door (3) is provided with a first door end plate (31) and a first bottom door plate (32) which are fixed each other. The second bottom door (4) is provided with a second door end plate (41) and a second bottom door plate (42) which are fixed each other. The first bottom door plate (32) and the second bottom door plate (42) are sealed like labyrinth. The requirement of tightness still can be satisfied on the premise that the two bottom door plates do not have a closing sequence and the structure of the traditional bottom gate device is optimized.

No. of Pages : 17 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :07/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PREPARATION OF ISOMERICALLY PURE SUBSTITUTED CYCLOHEXANOLS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:10192721.8 :26/11/2010 :EPO :PCT/IB2011/055199	<ul> <li>(71)Name of Applicant :</li> <li>1)BASF SE <ul> <li>Address of Applicant :67056 Ludwigshafen Germany</li> </ul> </li> <li>2)BASF (CHINA) COMPANY LIMITED </li> <li>(72)Name of Inventor : <ul> <li>1)PONNEVESSEL Maloria</li> </ul> </li> </ul>
Filing Date	:21/11/2011	1)BONNEKESSEL Melanie
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2012/069974	2)DITRICH Klaus 3)D,,UWEL J¼rgen
Number	:NA :NA	4)SORG Achim
Filing Date		5)LADNER Wolfgang
(62) Divisional to Application Number Filing Date	:NA :NA	6)COOPER Bryan 7)BACKES Rene

(57) Abstract :

Disclosed is a method for preparing isomerically pure substituted cyclohexanols starting from a mixture of cis/trans substituted cyclohexanols which comprises reacting the cis/trans mixture of a substituted cyclohexanol with a dicarboxylic acid anhydride in the presence of a lipase to give the trans semi ester which is separated from the unreacted substituted cyclohexanol cis isomer.

No. of Pages : 16 No. of Claims : 13

(22) Date of filing of Application :07/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHANOL TERMINATED POLYMERS CONTAINING ETHER

(51) International classification	:C08C19/44,C08L15/00,C08F2/38	
(31) Priority Document No	:10191348.1	1)LANXESS DEUTSCHLAND GMBH
(32) Priority Date	:16/11/2010	Address of Applicant :51369 Leverkusen Germany
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International Application No Filing Date	:PCT/EP2011/069856 :10/11/2011	1)STEINHAUSER Norbert
(87) International Publication No	:WO 2012/065902	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to polymers functionalized by terminal groups, where these have, at the chain end, an ether-containing carbinol group of the formula (I) -[-0-A-OH] (I) 10 where A is a divalent organic moiety which can comprise not only C and H but also heteroatoms, such as O, N, S, Si.

No. of Pages : 21 No. of Claims : 23

### (19) INDIA

(22) Date of filing of Application :02/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : BLOW NOZZLE TO CONTROL LIQUID FLOW WITH PRE STRETCH ROD ASSEMBLY

(51) International classification	:B29C49/12,B29C49/04,B29C49/28	(71)Name of Applicant : 1)AMCOR LIMITED
<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:61/393408 :15/10/2010	Address of Applicant :109 Burwood Road Hawthorn Victoria 3122 Australia
(32) Name of priority country		(72)Name of Inventor :
(86) International Application No Filing Date	<sup>1</sup> :PCT/US2011/056057 :13/10/2011	1)LISCH George David 2)MAKI Kirk Edward
(87) International Publication No	:WO 2012/051368	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	<sup>h</sup> :NA :NA	

(57) Abstract :

An apparatus for forming a container comprising a housing and a rod apparatus disposed in the housing. The rod apparatus includes a rod for at least partially forming a container preform. The apparatus further includes a nozzle system disposed in the housing that is operably coupled with the rod apparatus. The nozzle system is positionable between a first position preventing pressurized fluid from being injected into the container preform and a second position permitting pressurized fluid to be injected into the container preform.

No. of Pages : 20 No. of Claims : 29

(19) INDIA

(22) Date of filing of Application :07/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:A61J3/06	(71)Name of Applicant :
(31) Priority Document No	:61/410344	1)ABBVIE INC
(32) Priority Date	:04/11/2010	Address of Applicant :1 North Waukegan Rd North Chicago
(33) Name of priority country	:U.S.A.	Illinois 60064 U.S.A.
(86) International Application No	:PCT/US2011/059458	2)ABBVIE DEUTSCHLAND GMBH & CO. KG
Filing Date	:04/11/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2012/061780	1)GHOSH Soumojeet
(61) Patent of Addition to Application	:NA	2)LEFEBVRE Didier
Number	:NA :NA	3)WIESNER Bryan
Filing Date	.NA	4)BREITENBACH Joerg
(62) Divisional to Application Number	:NA	5)KESSLER Thomas
Filing Date	:NA	
(57) 11 (		l

#### (54) Title of the invention : METHOD FOR PRODUCING MONOLITHIC TABLETS

(57) Abstract :

The present invention relates to a process for producing monolithic tablets. The method employs a melt processed composition containing at least on active agent and at least one thermoplastic binder. The invention further relates to a method for cutting and deflashing a belt of pre shaped bodies of a melt processed composition wherein the pre shaped bodies are interconnected by flash.

No. of Pages : 37 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :07/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:G05B15/02	(71)Name of Applicant :
(31) Priority Document No	:10 58764	1)SOMFY SAS
(32) Priority Date	:26/10/2010	Address of Applicant :50 avenue du Nouveau Monde F 74300
(33) Name of priority country	:France	Cluses France
(86) International Application No	:PCT/EP2011/068632	(72)Name of Inventor :
Filing Date	:25/10/2011	1)MIGNOT Pierre
(87) International Publication No	:WO 2012/055856	2)DUCHENE Isabelle
(61) Patent of Addition to Application	:NA	3)LAPIERRE Stphane
Number Filing Data	:NA	
Filing Date (62) Divisional to Application Number	:NA	
Filing Date	.NA :NA	
Filling Date	.1NA	

#### (54) Title of the invention : METHOD OF OPERATING A HOME AUTOMATION INSTALLATION

(57) Abstract :

Method of operating a home-automation installation comprising elements including items of equipment fixed in a building and including a mobile unit for controlling the items of equipment, the elements communicating over a home-automation network, each element being furnished with an identifier which is specific to it and with an authentication key specific to the home-automation network, termed common key, identical for all the elements and authenticating an elements membership of the homeautomation network, characterized in that it comprises: a step of locating the mobile control unit with the aid of a locating means included at least partially in the mobile control unit and delivering an item of position information, then a step of pinpointing using at least the item of position information to pinpoint a particular item of equipment, the pinpointing step allowing the identification of the particular item of equipment in a mode of use of the home-automation installation.

No. of Pages : 35 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :07/05/2013

#### (43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:G06F3/06,G06F11/20 :NA :NA :NA :PCT/JP2011/001217 :02/03/2011 :WO 2012/117447 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)HITACHI LTD. Address of Applicant :6 6 Marunouchi 1 chome Chiyoda ku Tokyo 1008280 Japan</li> <li>(72)Name of Inventor :</li> <li>1)SAITO Hideo</li> <li>2)EGUCHI Yoshiaki</li> <li>3)YAMAMOTO Masayuki</li> <li>4)YAMAMOTO Akira</li> </ul>
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#### (54) Title of the invention : COMPUTER SYSTEM AND DATA MIGRATION METHOD

(57) Abstract :

A path is formed between a host computer and storage apparatuses without depending on the configuration of the host computer and a network and a plurality of volumes having a copy function are migrated between storage apparatuses while keeping the latest data. A computer system includes a host computer and first and second storage apparatuses wherein the second storage apparatus virtualizes a plurality of migration source volumes as a plurality of migration destination volumes and provides them to the host computer; and if the second storage apparatus receives an input/output request for each migration destination volume it reflects data in each migration source volume via each migration destination volume and the host computer cancels a path to each migration source volume and registers a path to each migration destination volume; and if the second storage apparatus receives a write request it writes write data to each migration destination volume and each migration source volume and migrates copy processing control information and data until the termination of migration processing.

No. of Pages : 107 No. of Claims : 14

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SURGICAL INSTRUMENT WITH CHARGING DEVICES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)ETHICON ENDO SURGERY INC. Address of Applicant :4545 Creek Road Cincinnati OH 45242</li> <li>U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)HOUSER Kevin L.</li> <li>2)YATES David C.</li> <li>3)WILLIS John W.</li> <li>4)ZINGMAN Aron O.</li> </ul>
<ul><li>(87) International</li><li>Publication No</li><li>(61) Patent of Addition to</li></ul>	:WO 2012/061649 :NA	5)KORVICK Donna L. 6)MADAN Ashvani Kumar
Application Number Filing Date (62) Divisional to	:NA	
Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A surgical instrument includes a first power source and a second power source. The first power source is configured to deliver power to a surgical instrument at a first rate of discharge. The second power source is configured to deliver power to the first power source at a second rate of discharge. The first power source and the second power source are positioned within the surgical instrument. The first power source and the second power source with a control module. The control module may rely on power from the first power source to drive an end effector of the surgical instrument. The end effector may comprise a harmonic/ultrasonic blade RF electrosurgical electrodes powered cutting/stapling features and/or various other types of components.

No. of Pages : 28 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (51) International classification :A61B17/32,A61B18/14 (71)Name of Applicant : (31) Priority Document No 1) ETHICON ENDO SURGERY INC. :61/410603 Address of Applicant :4545 Creek Road Cincinnati OH 45242 (32) Priority Date :05/11/2010 (33) Name of priority country :U.S.A. U.S.A. (86) International Application No :PCT/US2011/059217 (72)Name of Inventor : Filing Date :03/11/2011 1)HOUSER Kevin L. (87) International Publication No :WO 2012/061640 2)KIMBALL Corv G. (61) Patent of Addition to Application 3)MONSON Gavin M. :NA Number 4)TIMM Richard W. :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : SURGICAL INSTRUMENT WITH MODULAR SHAFT AND END EFFECTOR

#### (57) Abstract :

A surgical instrument operable to sever tissue includes a body assembly and a selectively coupleable end effector assembly. The end effector assembly may include a transmission assembly an end effector and a rotational knob operable to rotate the transmission assembly and the end effector. The body assembly includes a trigger and a casing having a distal aperture configured to receive a portion of the end effector assembly. First and second coupling mechanism portions cooperatively couple the end effector assembly to the body assembly to the body assembly for use. The coupling may mechanically and/or electrically couple the end effector assembly to the body assembly via various coupling mechanisms. For instance a threaded slip nut may couple to threads within the body assembly. In one configuration the end effector assembly may have locking tabs that rotate into rotational recesses in the body assembly. The locking tabs may include electrical contacts and/or optically perceivable indicators.

No. of Pages : 71 No. of Claims : 20

#### (19) INDIA

(22) Date of filing of Application :08/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : STATIONARY GEAR UNIT

(57) Abstract :

inoutinA method of stepping up the speed of a rotary motion from a first speed supplied to an input shaft (26) to a second speed delivered by an output shaft (28) comprises transmitting said rotary motion from said input shaft (26) via a drive gear (34) of said input shaft (26) the drive gear (34) being helical and having a first helix angle () to a layshaft arrangement so as to generate a first axial thrust (F1) of the input shaft (26) in a first axial direction; transmitting said rotary motion from said layshaft arrangement via a driven gear (44) of said output shaft (28) said driven gear (44) being helical and having a second helix angle () that is larger than said first helix angle () to said output shaft (28) so as to generate a second axial thrust (F2) of the output shaft (28) in a second direction being substantially opposite to said first direction; and applying said first axial thrust (F1) and said second axial thrust (F2) to the same location of an axially rigid support structure (50) such that said first and second axial thrusts (F1 F2) counter act and at least partly cancel out in said support structure (50).

No. of Pages : 42 No. of Claims : 22

(19) INDIA

(22) Date of filing of Application :08/05/2013

(54) Title of the invention : SPORTS HELMET

(51) International classification	:A42B3/20,A42B3/22	(71)Name of Applicant :
(31) Priority Document No	:1101978.3	1)JON HARDY AND CO LIMITED
(32) Priority Date	:04/02/2011	Address of Applicant : Unit 10 Hazeley Enterprise Park
(33) Name of priority country	:U.K.	Twyford SO21 1QA U.K.
(86) International Application No	:PCT/EP2012/051797	(72)Name of Inventor :
Filing Date	:02/02/2012	1)HARDY Jonathan James Ean
(87) International Publication No	:WO 2012/104389	
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A sports helmet (1) having a domed shell (4) and a forward peak (3) each having a topside and an underside said sports helmet being configured to co operate with a face guard (50) for protecting the face of a wearer wherein said peak comprises a proximal rigid peak portion (10) which is connected to the helmet main body and a distal movable peak portion (9) which is articulated on said proximal peak portion along a prescribed line of flexure (8) wherein said distal peak portion is capable of being deflected upwards when impacted by a moving ball or projectile (48). The helmet may further comprise a face guard attached or attachable to the domed shell portion the face guard comprising a rigid structure of protective struts (52 59) capable of extending about a wearer s face and defining a viewing gap (20) between said guard and said peak.

No. of Pages : 32 No. of Claims : 15

(22) Date of filing of Application :03/05/2013

#### (54) Title of the invention : CREATING AND LINKING 3D SPATIAL OBJECTS WITH DYNAMIC DATA AND VISUALIZING SAID OBJECTS IN GEOGRAPHIC INFORMATION SYSTEMS

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> </ul>	:61/408713 :01/11/2010 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)CUBE LEASE INC. Address of Applicant :906 12th Avenue SW Ste 800 Calgary</li> <li>AB T2R 1K7 Canada</li> <li>(72)Name of Inventor :</li> <li>1)ANGEVINE Greg</li> <li>2)CUFF James</li> </ul>
(97) International Dublication	:WO 2012/058754	
Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A method and system of creating and linking 3D spatial objects with dynamic data and visualizing said objects in geographic information systems (GIS) is disclosed. The system includes a front end for a user interface a database at the back end and an application layer which processes the data sent between interface and database. A method of generating and uploading Keyhole Markup Language (KML) rings is disclosed. Furthermore a user specifies a search location and is shown a view of the available space indicated on the buildings by KML code which is assembled from the database by the system. A method for creating linking and displaying a three dimensional spatial object is also disclosed as well as a method of generating a visual flight between several geographical points showing the KML structures during the flight. Lastly a method of showing a cardinal view from a floor of a building in a GIS is disclosed.

No. of Pages : 40 No. of Claims : 10

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : ENDOMETRIOSIS PREVENTION AND/OR IMPROVING AGENT AND FOOD OR DRINK COMPOSITION CONTAINING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:A61K35/74,A23C9/123,A23L1/28 :2010265281 :29/11/2010 :Japan :PCT/JP2011/077464 :29/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)MELJI CO. LTD. Address of Applicant :2 10 Shinsuna 1 chome Koto ku Tokyo 1368908 Japan</li> <li>(72)Name of Inventor :</li> <li>1)ITOU Hiroyuki</li> <li>2)SASHIHARA Toshihiro</li> </ul>
Filing Date	.29/11/2011	3)IKEGAMI Shuji
(87) International Publication No	:WO 2012/073924	4)JI Zai Si 5)UCHIDA Masayuki
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The present invention provides agents for preventing and/or improving endometriosis, which contain lactic acid bacteria of the genus Lactobacillus, in particular, Lactobacillus gasseri strain OLL2809. The present invention also provides food and beverage compositions for preventing and/or improving endometriosis, which contain the lactic acid bacteria, and methods for preventing and/or improving the lactic acid bacteria.

No. of Pages : 31 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:B66F11/04	(71)Name of Applicant :
(31) Priority Document No	:12/946398	1)SKY CLIMBER LLC
(32) Priority Date	:15/11/2010	Address of Applicant :1800 Pittsburgh Dr. Delaware Ohio
(33) Name of priority country	:U.S.A.	43015 U.S.A.
(86) International Application No	:PCT/US2011/058927	(72)Name of Inventor :
Filing Date	:02/11/2011	1)BONANNO James
(87) International Publication No	:WO 2012/067820	2)EDDY Robert
(61) Patent of Addition to Application	:NA	3)ANASIS George
Number	:NA	4)DESMEDT Jean Francois
Filing Date	.11/1	5)INGRAM Gary
(62) Divisional to Application Number	:NA	6)LI Hui
Filing Date	:NA	
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#### (54) Title of the invention : SUSPENSION WORK PLATFORM HOIST SYSTEM

(57) Abstract :

A suspension work platform hoist system for raising and lowering a platform. A motor control system is attached to the platform and is in electrical communication with a constant frequency input power source and a hoist motor. The system may include a tilt control system allowing the platform to reach and maintain a tilt angle setpoint as the platform is raised and lowered and/or a system to reduce the reactive power. The hoist control system may have a data transmitter to transmit data to a remote location a data receiver to receive data from the remote location a monitoring and diagnostic system to monitor and record at least one of a plurality of operating characteristics of the hoist and/or a safety lock out system that requires authentication of an operator prior to the hoist control system.

No. of Pages : 102 No. of Claims : 50

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : HIGHLY SENSITIVE METHOD OF DETERMINING THE QUANTITY OF HERBAL MEDICINE DERIVED COMPONENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to</li> <li>Application Number Filing Date</li> <li>(63) Divisional to</li> <li>(64) Patent of Addition to</li> <li>(65) Divisional to</li> <li>(66) Divisional to</li> <li>(61) Patent of Addition</li> <li>(62) Divisional to</li> <li>(63) Patent of Addition</li> <li>(64) Patent of Number</li> <li>(65) Divisional to</li> <li>(65) Divisional to</li> <li>(66) Divisional to</li> <li>(66) Divisional to</li> <li>(67) Divisional to</li> <li>(67) Divisional to</li> <li>(68) Divisional to</li> <li>(69) Divisional to</li> <li>(61) Patent of Pat</li></ul>	<ul> <li>(71)Name of Applicant :</li> <li>1)MINOPHAGEN PHARMACEUTICAL CO. LTD. Address of Applicant :3 2 11 Nishi Shinjuku Shinjuku ku Tokyo 1600023 Japan</li> <li>(72)Name of Inventor :</li> <li>1)SUZUKI Kayoko</li> <li>2)SUZUKI Tsuneharu</li> <li>3)TSUKAHARA Michiko</li> <li>4)HARUTA Yuko</li> <li>5)HATTA Akira</li> <li>6)HAMADA Yuji</li> <li>7)INOUE Hideo</li> </ul>
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#### (57) Abstract :

A highly sensitive method of determining the quantity of herbal medicine-derived components involves: an extraction step in which an extract containing components derived from herbal medicine is prepared by injecting a mixture blending a biological sample with alkali or alcohol into a solid phase provided with a reversed-phase partition function and an anion exchange function, washing the solid phase at least once with one or a liquid mixture of at least two selected from the group consisting of water, alkali, alcohol, and acetonitrile, and then conducting elution irom the solid phase with acidic alcohol; and a step in which detection and quantitation are conducted by mass spectrometry with respect to at least one selected from the group consisting of glycyrrhizin, glycyrrhetinic acid, metabolites of glycyrrhizin and glycyrrhetinic acid, related substances of glycyrrhizin and glycyrrhetinic acid, saponin components contained in licorice, and pharmacologically acceptable salts thereof contained in the extract extracted by the extraction step.

No. of Pages : 41 No. of Claims : 4

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : METHOD FOR DETECTING NUCLEIC ACID METHOD FOR OPTICALLY OBSERVING SAMPLE AND PHOSPHOR

(32) Priority Date:11/11/2010(33) Name of priority country:Japan(86) International Application No:PCT/JP2011/006163	<ul> <li>71)Name of Applicant :</li> <li>1)SONY CORPORATION <ul> <li>Address of Applicant :1 7 1 Konan Minato ku Tokyo 1080075</li> </ul> </li> <li>apan <ul> <li>72)Name of Inventor :</li> <li>1)NITTA Nao</li> </ul> </li> </ul>
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(57) Abstract :

[Problem] To provide a method capable of detecting a nucleic acid with which a nucleic acid can be simply detected particularly without requiring a complicated operation such as mixing of a liquid or washing in a microscale flow path or the like. [Solution] Provided is a method for detecting a nucleic acid comprising a step of bringing a sample containing a nucleic acid into contact with copper and a step of detecting fluorescence emitted from the sample. According to the method for detecting a nucleic acid into contact with copper fluorescence derived from a complex between the nucleic acid and copper can be simply detected.

No. of Pages : 144 No. of Claims : 12

(21) Application No.4017/DELNP/2013 A

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ORAL AND PERSONAL CARE COMPOSITIONS COMPRISING ZINC CONTAINING FILMS

(51) International classification	:A61K8/29,A61K8/73,A61K8/86	
(31) Priority Document No	:NA	1)COLGATE PALMOLIVE COMPANY
(32) Priority Date	:NA	Address of Applicant :300 Park Avenue New York New York
(33) Name of priority country	:NA	10022 U.S.A.
(86) International Application	DOT/1102010/05015(	(72)Name of Inventor :
No	:PC1/US2010/059156	1)WON Betty
Filing Date	:07/12/2010	2)PIMENTA Paloma
(87) International Publication N	o:WO 2012/078134	3)PILCH Shira
(61) Patent of Addition to Application Number	:NA :NA	4)MASTERS James 5)HASSAN Mahmoud
Filing Date		6)GU Ben
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Described herein are films comprising a zinc containing compound and a film stabilizing ingredient for use in oral and personal care compositions.

No. of Pages : 21 No. of Claims : 31

(21) Application No.4019/DELNP/2013 A

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SUBSURFACE BARRIER RETENTION SYSTEM AND METHODS RELATED THERETO

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> </ul>	:A01G27/06,E03F1/00,E03F5/10 :61/392785 :13/10/2010 :U.S.A. :PCT/US2011/056173 :13/10/2011 o:WO 2012/051430 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BOARD OF TRUSTEES OF MICHIGAN STATE</li> <li>UNIVERSITY <ul> <li>Address of Applicant :450 Administration Building East</li> <li>Lansing Michigan 48824 1046 U.S.A.</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)SMUCKER Alvin J. M.</li> </ul> </li> </ul>
Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A subsurface retention barrier system installed in situ to retain water in a projected root zone of one or more plants is disclosed. An apparatus and system for installing the subsurface retention barriers and methods related thereto are also disclosed.

No. of Pages : 68 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:10251966.7 :19/11/2010 :EPO	<ul> <li>(71)Name of Applicant :</li> <li>1)PHILIP MORRIS PRODUCTS S.A. Address of Applicant :Quai Jeanrenaud 3 CH 2000 Neuchatel Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)FERNANDO Felix</li> <li>2)CHEMLA Marc Robert</li> <li>3)STAHLE Fredrik</li> </ul>
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### (54) Title of the invention : AN ELECTRICALLY HEATED SMOKING SYSTEM COMPRISING AT LEAST TWO UNITS

(57) Abstract :

There is provided an electrically heated smoking system comprising a secondary unit capable of re ceiving a smoking article having an aerosol-forming sub strate. The secondary unit comprises at least one heating ele ment and an interface for connection to a primary power supply. The secondary unit further comprises a secondary power supply and secondary circuitry. The secondary cir cuitry is arranged to control supply of electrical power from the secondary power supply to the at least one heating ele ment in a pre-heating mode during which the temperature of the aerosol-forming substrate is increased to an operating temperature, to control supply of electrical power supply to the at least one heating element in a smoking mode, during which the temperature of the aerosol-forming substrate is ubstantially the operating temperature, and to control charging of the second ary power supply by the primary power supply, in a charging mode, so that the secondary power supply has sufficient charge to increase the temperature of the aerosol-forming substrate to the operating temperature in the pre-heating mode and to maintain the temperature of the aerosol-forming substrate at substantially the operating temperature during mode. The electrically heated smoking system may optionally include a primary unit comprising the primary power supply and primary circuitry. By dividing the power supply between the primary unit and the secondary unit, the secondary unit can be made smaller and more con venient for the user.

No. of Pages : 35 No. of Claims : 15

(21) Application No.4110/DELNP/2013 A

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : TAILINGS STREAM TREATMENT PROCESSES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	PCT/US2011/066462 :21/12/2011 :WO 2012/088262 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)E. I. du Pont de Nemours and Company Address of Applicant :1007 Market Street Wilmington Delaware 19898 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)MOFFETT Robert Harvey</li> <li>2)ANDRIN Peter</li> </ul>
Number Filing Date	:NA	

(57) Abstract :

A process for treating a tailings stream comprises (a) contacting (1) a gelling agent and (2) an activator with said tailings stream to produce a gel; (b)entrapping solids including sand and clay and other solid particles with the gel; and (c) allowing the gel to strengthen and solidify to produce a trafficable deposit; wherein the tailings stream comprises water and solids which solids comprise sand clay and other solids particles and wherein 5% by volume to 100% by volume of the solids have a particle size less than 0.05 mm based on the total volume of the solids. The process may further comprises spreading the gel produced in step (a) or the trafficable deposit produced in step (c) over a surface. The present invention is particularly useful to treat tailings streams produced in processes to extract bitumen from oil sands ores.

No. of Pages : 31 No. of Claims : 31

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ARTICLE FOR BIOLOGICAL ANALYSIS

#### (57) Abstract :

The present invention relates in general terms to the field of analysis for example biological analysis. Specifically the present invention relates to an article (10) in particular for biological analysis said article including: a first sheet (12); a second sheet (14) vertically adjacent to said first sheet (12) said first and second sheets being secured on all the sides thereof such as to form a sealed packaging; at least one analysis device (18) arranged inside said packaging; a rigid desiccation means (16) also constituting a means for piercing the first and second sheets of said packaging to access the analysis device (18) wherein one of said first and second sheets (12 14) comprises a recess (23) constituting a preferred folding area.

No. of Pages : 12 No. of Claims : 9

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : LOW PRESSURE STEAM TURBINE		
	n :F01D25/10,F01D9/02,F01D17/00 :2011080415 :31/03/2011 :Japan :PCT/JP2012/056023 :08/03/2012 :WO 2012/132826 :NA :NA :NA	

(57) Abstract :

Provided is a low pressure steam turbine (1) provided with an inner compartment (2) and an outer compartment (4) arranged on the outer side of the inner compartment (2) as to cover the inner compartment (2) and also provided with a heating medium heating passage (16) which is arranged between the inner compartment (2) and the outer compartment (4) and through which a heating medium flows a heating medium inlet path (54) which leads the heating medium into the heating medium heating passage (16) and a heating medium chamber (12) which is arranged internally in at least one stationary blade and into which the heating medium that has passed through the heating medium heating passage (16) is led. The stationary blade in which the heating medium chamber (12) is arranged is heated by the heating medium heated by passing through the heating medium heating passage (16).

No. of Pages : 39 No. of Claims : 9

(19) INDIA(22) Date of filing of Application :03/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : RECHARGE SYSTEM FOR MEDICAL DEVICES

<ul> <li>(51) International classificatio</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul></li></ul>	:PCT/US2011/059338 :04/11/2011 :WO 2012/078271 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ETHICON ENDO SURGERY INC. Address of Applicant :4545 Creek Road Cincinnati Ohio</li> <li>45242 U.S.A.</li> <li>(72)Name of Inventor : <ol> <li>1)HOUSER Kevin L.</li> <li>2)MONSON Gavin M.</li> <li>3)STULEN Foster B.</li> <li>4)PRICE Daniel W.</li> <li>5)MADAN Ashvani Kumar</li> <li>6)WILLIS John W.</li> <li>7)KORVICK Donna L.</li> <li>8)ZINGMAN Aron O.</li> <li>9)YATES David C.</li> <li>10)DIETZ Timothy G.</li> <li>11)SHELTON Frederick E. IV</li> <li>12)MORGAN Jerome R.</li> <li>13)ALDRIDGE Jeffrey L.</li> <li>14)SMITH Bret W.</li> <li>15)JAIN Hitesh</li> </ol> </li> </ul>
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#### (57) Abstract :

An apparatus comprises a base and at least one indicator in communication with the base. The base comprises a housing and at least one slot. The at least one slot is shaped to receive a reusable component from a surgical instrument. The at least one indicator is in communication with the at least one slot. The base is configured to detect at least one characteristic related to the reusable component when the reusable component is placed into the at least one slot. Wherein the at least one indicator is configured to provide a signal to the user regarding the at least one characteristic.

No. of Pages : 35 No. of Claims : 20

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : STEEL FOR CARBURIZING CARBURIZED STEEL COMPONENT AND METHOD FOR PRODUCING SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:C22C38/60,C21D1/06,C21D1/32 :2011027278 :10/02/2011 :Japan	<ul> <li>(71)Name of Applicant :</li> <li>1)NIPPON STEEL &amp; SUMITOMO METAL</li> <li>CORPORATION         <ul> <li>Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku</li> </ul> </li> </ul>
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:PCT/JP2012/052853 :08/02/2012 :WO 2012/108460	Tokyo 1008071 Japan (72)Name of Inventor : 1)KUBOTA Manabu
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

(57) Abstract :

The present invention is: a steel for carburizing; and a carburized steel component that is provided with a steel section and a carburized layer formed on the outside surface of the steel section and having a thickness of over 0.4 mm and less than 2 mm. The chemical components of the steel for carburizing and the steel section of the carburized steel component simultaneously satisfy a formula for a hardness indicator a formula for a quenching property indicator and a formula for a TiC precipitation quantity indicator.

No. of Pages : 64 No. of Claims : 13

(21) Application No.4119/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:H04L25/02	(71)Name of Applicant :
(31) Priority Document No	:12/944464	1)ADVANCED MICRO DEVICES INC.
(32) Priority Date	:11/11/2010	Address of Applicant : One AMD Place P.O. Box 3453
(33) Name of priority country	:U.S.A.	Sunnyvale CA 94088 U.S.A.
(86) International Application No	:PCT/US2011/059754	(72)Name of Inventor :
Filing Date	:08/11/2011	1)WANG Charles
(87) International Publication No	:WO 2012/064723	2)SHAW Randall
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Ale stars star		

#### (54) Title of the invention : ADJUSTABLE FINITE IMPULSE RESPONSE TRANSMITTER

(57) Abstract :

Apparatus and methods are provided for generating output signals representative of bits of serial data. A transmitter (200) includes driver circuitry (206) configured to generate an output signal at an output node and an allocation control module (250) coupled to the driver circuitry. The driver circuitry includes a plurality of driver legs (232 230 234 236) configured to generate the output signal based on a plurality of data bits. The allocation control module is configured to allocate a respective subset of the plurality of driver legs to a respective data bit of a plurality of data bits wherein the each subset generates a component of the output signal that is influenced by its respective data bit.

No. of Pages : 34 No. of Claims : 20

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SYSTEM FOR DETERMINING THE QUALITY OF AN INDIVIDUAL S BONE STRUCTURE

(51) International classification	:A61B5/103,A61B17/16,A61B5/053	(71)Name of Applicant : 1)SPINEGUARD
(31) Priority Document No	:10 59422	Address of Applicant :5/7 rue de lAmiral Courbet F 94160
(32) Priority Date	:16/11/2010	Saint Mande France
(33) Name of priority country	/:France	(72)Name of Inventor :
(86) International Application No Filing Date	:PCT/FR2011/052651 :16/11/2011	1)BOURLION Maurice 2)BETTE Stphane
(87) International Publication No	:WO 2012/066231	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a system (1) for determining the quality of a bone structure (2) comprising: a body adapted for drilling through the bone structure; a first electrode (11) arranged on the body so as to come into contact with the bone structure (2) during drilling; a second electrode (12) arranged on the body so as to come into contact with the bone structure (2) at a distance from the first electrode (11) during drilling; an electric generator (23) adapted to apply an electric current between the first (11) and second (12) electrodes for a pre determined period of time; a measuring device (24) adapted to measure the electric current continuously and over the pre determined period; and a processing device (28) adapted (i) to determine continuously and over the pre determined period an electrical magnitude representative of the aptitude of the bone structure (2) for allowing electric current to pass therethrough and (ii) to deliver continuously and over the pre determined period a signal representative of the quality of the bone structure (2) between the contact surfaces of the first (11) and second (12) electrodes using the determined electrical magnitude.

No. of Pages : 35 No. of Claims : 15

(21) Application No.4122/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:C09K11/71	(71)Name of Applicant :
(31) Priority Document No	:10188834.5	1)LEUCHTSTOFFWERK BREITUNGEN GMBH
(32) Priority Date	:26/10/2010	Address of Applicant : Lange Smme 17 98597 Breitungen
(33) Name of priority country	:EPO	Germany
(86) International Application No	:PCT/EP2011/068226	(72)Name of Inventor :
Filing Date	:19/10/2011	1)DUAN Cheng Jun
(87) International Publication No	:WO 2012/055729	2)R–SLER Sven
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (54) Title of the invention : BOROPHOSPHATE PHOSPHOR AND LIGHT SOURCE

(57) Abstract :

This invention is related to efficient inorganic borophosphate phosphors which can applied in various technical applications such as fluorescent lamps colored light or white light emitting diodes and other devices where phosphors are used to convert especially near UV radiation into the visible light. Further this invention is related to light sources comprising the efficient borophosphate phosphor. The inventive phosphor absorbs radiation in a first wavelength range of the electromagnetic spectrum and emits radiation in a second wavelength range of the electromagnetic spectrum. This phospho is a borophosphate activated with divalent rare earth metal ions and is represented by the general formula: AXREBPO. Symbol A stand for at least one univalent alkaline metal ion. Symbol M represents at least one divalent metal ion. Symbol RE stands for at least one divalent rare earth metal ions Eu Sm and/or Yb is acting as an activator. Variable x is limited by 0 < x = 0.2.

No. of Pages : 27 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :08/05/2013

#### (43) Publication Date : 21/11/2014

(51) International classification	:G06F11/20,G06F9/46	(71)Name of Applicant :
(31) Priority Document No	:NA	1)HITACHI LTD.
(32) Priority Date	:NA	Address of Applicant :6 6 Marunouchi 1 chome Chiyoda ku
(33) Name of priority country	:NA	Tokyo 1008280 Japan
(86) International Application No	:PCT/JP2010/006654	(72)Name of Inventor :
Filing Date	:12/11/2010	1)KIM Sungho
(87) International Publication No	:WO 2012/063294	2)NISHIJIMA Eiji
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : COMPUTER SYSTEM

(57) Abstract :

In order for a plurality of virtual machines installed on a physical computer to operate in the same operation mode the present invention switches a main system and a subsystem of each virtual machine. A computer system has a plurality of computer nodes and each computer node has a plurality of virtual computers and a control base unit controlling the virtual computers. Each virtual computer constitutes a multiplexing group with another virtual computer operating on another computer node different from its own computer node with either one operating as the main system and the other operating as the subsystem. The control base unit controls whether each virtual computer is operating as either the main system or the subsystem and monitors the respective states of each virtual computer. The control base unit when it has detected in its own node a failure of the virtual computer operating as the main system or the subsystem and monitors the respective states of each virtual computer. The control base unit when it has detected in its own node a failure of the virtual computer operating as the main system virtual computer operating on its own computer node from main system virtual computers to subsystem virtual computers along with the virtual computer in which the failure occurred.

No. of Pages : 58 No. of Claims : 14

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : COSMETIC COMPOSITION CONTAINING GULFWEED EXTRACT SEA STAGHORN EXTRACT AND BROWN SEAWEED EXTRACT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:A61K8/97,A61Q19/00 :1020100118214 :25/11/2010 :Republic of Korea :PCT/KR2011/008910 :22/11/2011 :WO 2012/070835 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)AMOREPACIFIC CORPORATION <ul> <li>Address of Applicant :181 Hangang ro 2 ga Yongsan gu Seoul</li> </ul> </li> <li>140 777 Republic of Korea <ul> <li>(72)Name of Inventor :</li> <li>1)KIM Hyeon Chung</li> <li>2)HONG Yeon Ju</li> <li>3)KIM Yeon Joon</li> <li>4)HAN Sang Hoon</li> </ul> </li> </ul>
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(57) Abstract :

The present invention relates to a cosmetic composition containing gulfweed extract, sea staghorn extract, and brown seaweed extract as active ingredients, and more particularly, to a cosmetic composition which contains one or more kinds of extracts selected from the group consisting of gulfweed extract, sea staghorn extract, and brown seaweed extract as effective ingredients, and which has good antioxidant effects, improves skin resilience, and reduces wrinkles.

No. of Pages : 25 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

#### (51) International classification :G06F17/50 (71)Name of Applicant : (31) Priority Document No :13/006907 **1)THE PROCTER & GAMBLE COMPANY** (32) Priority Date Address of Applicant : One Procter & Gamble Plaza Cincinnati :14/01/2011 (33) Name of priority country :U.S.A. Ohio 45202 U.S.A. (86) International Application No :PCT/US2012/020931 (72)Name of Inventor : Filing Date :11/01/2012 1)GUMMALLA Rakesh (87) International Publication No :WO 2012/097056 2)ALLENDE BLANCO Mel (61) Patent of Addition to Application 3)MACURA Matthew Joseph :NA Number 4)COE Richard George :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : SYSTEMS AND METHODS FOR MATERIAL LIFE PREDICTION

(57) Abstract :

Included are embodiments for predicting an expected life of a pliable material. Some embodiments of a method include modeling by a computing device the pliable material and simulating strain on the pliable material wherein simulating strain on the pliable material includes creating a strain results file. Similarly some embodiments of the method include identifying from the strain results file a point of strain energy density on the pliable material accessing a life prediction curve associated with the pliable material to determine a material file and creating a strain material file by combining the strain results file and the material file. Still some embodiments of the method include executing software to predict the expected life of the pliable material and predicting the expected life of the pliable material.

No. of Pages : 20 No. of Claims : 14

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : METHODS FOR PRODUCING DIESEL RANGE MATERIALS HAVING IMPROVED COLD FLOW PROPERTIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:C10G67/02,C10G29/00,C10G2/00 :12/903874 :13/10/2010 :U.S.A. :PCT/US2011/055666 :11/10/2011 :WO 2012/051130 :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>UOP LLC</li> <li>Address of Applicant :25 East Algonquin Road P. O. Box</li> </ol> </li> <li>5017 Des Plaines Illinois 60017 5017 U.S.A.</li> <li>(72)Name of Inventor : <ol> <li>KOKAYEFF Peter</li> <li>ABDO Suheil F.</li> </ol> </li> </ul>
Filing Date (62) Divisional to Application Number Filing Date		

### (57) Abstract :

Embodiments of a method for producing a diesel range material having improved cold flow properties are provided. In one embodiment the method includes the steps of providing a waxy diesel range feedstock producing an intermediary product stream containing a predetermined amount of oxygenated organocompounds from the waxy diesel range feedstock and contacting the intermediary product stream with a dewaxing catalyst under process conditions at which the oxygenated organocompounds chemically interact with the dewaxing catalyst to convert a portion of the n paraffins within the intermediary product stream to iso paraffins while minimizing cracking of the diesel range material.

No. of Pages : 17 No. of Claims : 10

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : SYSTEM AND METHOD FOR EFFICIENT AIR DEHUMIDIFICATION AND LIQUID RECOVERY WITH EVAPORATIVE COOLING

<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application</li></ul>	n :F24F3/14,B01D53/26,B01D53/22 :12/945735 :12/11/2010 :U.S.A. :PCT/US2011/060479	1) <b>THE TEXAS A&amp;M UNIVERSITY SYSTEM</b> Address of Applicant :3369 Tamu College Station Texas 77843 3369 U.S.A. (72) <b>Name of Inventor :</b>
No Filing Date (87) International Publication No	:11/11/2011 :WO 2012/065132	1)CLARIDGE David E. 2)CULP Charles H. 3)HABERL Jeffrey S.
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(2) Private Addition</li> </ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Systems and methods are provided for dehumidifying air by establishing humidity gradients in one or more dehumidification units. Water vapor from relatively humid atmospheric air entering the dehumidification units is extracted by the dehumidification units without substantial condensation into low pressure water vapor vacuum volumes. The water vapor may be extracted through water vapor permeable membranes of the dehumidification units into the low pressure water vapor vacuum volumes thereby reducing humidity of the air. The low pressure water vapor extracted from the air is compressed to a slightly higher pressure condensed and removed from the system at ambient conditions. In addition each dehumidification unit may be associated with one or more evaporative cooling units disposed upstream and/or downstream. In one embodiment the dehumidification units function to reduce the humidity ratio and temperature to desired final conditions by iteratively approaching an ideal humidity ratio versus temperature curve.

No. of Pages : 50 No. of Claims : 20

(21) Application No.4049/DELNP/2013 A

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SECURE PARTITIONING WITH SHARED INPUT/OUTPUT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:PCT/US2011/057994 :27/10/2011 :WO 2012/058371 :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>UNISYS CORPORATION</li> <li>Address of Applicant :801 Lakeview Dr. Suite 100 M/S 2NW</li> </ol> </li> <li>Blue Bell PA 19422 U.S.A.</li> <li>(72)Name of Inventor : <ol> <li>KERSHNER David A.</li> </ol> </li> </ul>
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(57) Abstract :

A soft partitioning system for allowing multiple virtual system environments to execute on a single platform may include I/O service partitions (IOSPs). The IOSPs operating in a separate virtual memory space on the platform and service disk and network requests from multiple guests. The IOSPs provide translation from virtual addresses to physical addresses such that from the point of view of the guest the virtual addresses used by the guest appear to be physical addresses. The IOSP may be implemented in a Linux kernel. The address space of the IOSP may be extended to include DMA memory sections such that the Linux kernel does not include all of the guest s memory. The IOSP may operate on hardware that does or does not support virtualization technology for directed I/O

No. of Pages : 25 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION (21) Application No.4050/DELNP/2013 A (19) INDIA (22) Date of filing of Application :06/05/2013 (43) Publication Date : 21/11/2014 (54) Title of the invention : IONICALLY CONDUCTIVE POLYMERS METHODS FOR PRODUCTION THEREOF AND ELECTRICAL DEVICES MADE THEREFROM (51) International classification :H01M6/18 (71)Name of Applicant : (31) Priority Document No 1)APPLIED NANOSTRUCTURED SOLUTIONS LLC :61/419224 (32) Priority Date :02/12/2010 Address of Applicant :2323 Eastern Blvd. Baltimore MD (33) Name of priority country 21220 U.S.A. :U.S.A. (86) International Application No :PCT/US2011/061520 (72)Name of Inventor : Filing Date :18/11/2011 **1)BURGESS William Patrick** (87) International Publication No :WO 2012/074800 2)FLEISCHER Corey Adam

:NA

:NA

:NA

:NA

(57) Abstract :

Filing Date

Filing Date

Number

The electrical conductivity of ionically conductive polymers can be increased by polymerizing a mixture of a polymer precursor and an electrolyte in the presence of an electric field. Methods for making ionically conductive polymers can include providing a mixture containing an electrolyte and a polymer precursor and polymerizing the polymer precursor while applying an electric field to the mixture. Ionically conductive polymers so prepared can be used in electrical devices. Methods for making electrical devices containing the ionically conductive polymers are also described.

3)LIU Han

No. of Pages : 43 No. of Claims : 29

(61) Patent of Addition to Application

(62) Divisional to Application Number

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : A METHOD FOR RECOVERING TRANSITION METAL TETRAHALIDE AND HYDROCARBONS FROM A WASTE STREAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(36) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> <li>(63) Divisional to Application Number</li> <li>(64) Divisional to Application Number</li> <li>(7) Divisional to Application Number</li> <li>(7) Divisional to Application Number</li> <li>(7) Divisional to Application</li> <li>(7) Divisional to Application&lt;</li></ul>	<ul> <li>(71)Name of Applicant :</li> <li>1)Borealis AG Address of Applicant :Wagramer Strasse 17 19 A 1220 Vienna Austria</li> <li>(72)Name of Inventor :</li> <li>1)Lylykangas Mikko</li> <li>2)Rsnen Jukka</li> <li>3)Nyfors Klaus</li> <li>4)Malinen Pekka</li> </ul>
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(57) Abstract :

The present invention provides a process for recovering transition metal tetrahalides from a waste stream coming from a catalyst manufacturing process by (a) establishing a mixed stream comprising transition metal tetrahalide and transition metal alkoxyhalides; (b) forming a falling liquid film from the mixed stream of step (a) at a temperature of from 25 to 85 °C and an absolute pressure of from 0.05 to 0.6 bar; and (c) establishing from the film of step (b) a first vapour stream containing from 90 to 100 % of recoverable components and a second liquid stream containing about 10 to 80 % of titanium haloalkoxides.

No. of Pages : 21 No. of Claims : 13

(12) PATENT APPLICATION PUBLICATION (21) Application No.4134/DELNP/2013 A (19) INDIA (22) Date of filing of Application :09/05/2013 (43) Publication Date : 21/11/2014 (54) Title of the invention : METHOD AND ARRANGEMENT FOR SECURING A DISTRIBUTOR PLATE TO A BACKING PLATE OF A CHROMATOGRAPHY COLUMN (51) International classification :G01N30/60,B01D15/22 (71)Name of Applicant : (31) Priority Document No **1)GE HEALTHCARE BIO SCIENCES AB** :1020148.1 (32) Priority Date :29/11/2010 Address of Applicant :Patent Department Bjrkgatan 30 S 751 (33) Name of priority country 84 Uppsala Sweden :U.K. (86) International Application No :PCT/SE2011/051380 (72)Name of Inventor: Filing Date 1)ERIKSSON Stefan K. :16/11/2011 (87) International Publication No :WO 2012/074455 (61) Patent of Addition to Application :NA Number :NA Filing Date

(57) Abstract :

Filing Date

The present invention relates to methods for securing a distributor plate to a backing plate of a chromatography column without the need for releasable fixing means such as screws or bolts. The invention also relates to chromatographic columns utilizing such methods. The method employs a negative pressure or vacuum to affix the distributor to the backing plate.

:NA

:NA

No. of Pages : 16 No. of Claims : 11

(62) Divisional to Application Number

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : AZEOTROPE LIKE COMPOSITIONS OF (Z) 1 CHLORO 3 3 3 TRIFLUOROPROPENE AND HYDROGEN FLUORIDE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:C07C19/10,C09K5/00,B01D3/36 :61/419322 :03/12/2010 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)HONEYWELL INTERNATIONAL INC. Address of Applicant :Patent Services M/S AB/2B 101 Columbia Road P.O. Box 2245 Morristown New Jersey 07962</li> </ul>
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:PCT/US2011/062884 :01/12/2011 :WO 2012/075283	2245 U.S.A. (72)Name of Inventor : 1)HULSE Ryan 2)PHAM Hang T.
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:NA :NA	
Number Filing Date	:NA :NA	

(57) Abstract :

Disclosed are azeotropic and azeotrope like mixtures of (Z) 1 chloro 3 3 3 trifluoropropene (1233zd(Z)) and hydrogen fluoride. Such compositions are useful as an intermediate in the production of 1233zd(Z). The latter compound is useful as a nontoxic zero ozone depleting fluorocarbon useful as a solvent blowing agent refrigerant cleaning agent aerosol propellant heat transfer medium dielectric fire extinguishing composition and power cycle working fluid.

No. of Pages : 15 No. of Claims : 11

(22) Date of filing of Application :07/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ACTUATOR FOR A VEHICLE SEAT AND VEHICLE SEAT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application N Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:24/01/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)KEIPER GMBH &amp; CO. KG Address of Applicant :Hertelsbrunnenring 2 67657</li> <li>Kaiserslautern Germany</li> <li>(72)Name of Inventor :</li> <li>1)HEEG Norbert</li> <li>2)SCHUHN Christoph</li> <li>3)GROSSBUDDE Frank</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

In an actuator (10) for a vehicle seat having a housing (11) having a motor (12) which is arranged fixed to the housing and has a motor shaft (12a) which has at least a first direction of rotation having a gear mechanism (13) which is connected at the output end to the motor (12) by means of the motor shaft (12a) having an actuator output drive (14) which is connected at the output end to the gear mechanism (13) and having a control means (21) the actuator output drive (14) has an output element (14b) which can be moved in the direction of an end position from a starting position by means of rotation of the motor shaft (12a) in the first direction of rotation of the motor shaft (12a) can be reversed from the first direction of rotation to an opposite second direction of rotation by means of the control means (21) with the result that the output element (14b) can be moved in the direction of the starting position.

No. of Pages : 17 No. of Claims : 10

(21) Application No.4141/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : HEAT EXCHANGER AND ASSOCIATED METHOD OF FORMING FLOW PERTURBATORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to <ul> <li>Application Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application <ul> <li>Number</li> </ul> </li> </ul>	:07/11/2011 :WO 2012/062716 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)VALEO SYSTEMES THERMIQUES <ul> <li>Address of Applicant :8 rue Louis Lormand La Verri<sup>"</sup>re F</li> </ul> </li> <li>78320 Le Mesnil Saint Denis France <ul> <li>(72)Name of Inventor :</li> <li>1)ODILLARD Laurent</li> <li>2)DAY Alan</li> </ul> </li> </ul>
Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a heat exchanger for the exchange of heat between a 5 first and a second fluid, notably for a motor vehicle, comprising: - first circulation canals for the circulation of the first fluid in a first direction of circulation (Dl), and second circulation canals for the circulation of the second fluid, and - perturbation walls (13) arranged in the second circulation canals for the second fluid 10 and having perturbators (15) that perturb the flow of the second fluid. According to the invention, the perturbation walls (13) respectively have at least one dividing rib (19), said at least one rib (19) extending: - in a second direction (D2) substantially perpendicular to the first direction in which the first fluid circulates, and 15 - over a predefined distance of said wall (13) that is less than the total width of said wall in the second direction, so as to define at least two circulation passes for the second fluid substantially perpendicular to the circulation of the first fluid.

No. of Pages : 22 No. of Claims : 11

(12) PATENT APPLICATION PUBLICATION (21) Application No.4142/DELNP/2013 A (19) INDIA (22) Date of filing of Application :09/05/2013 (43) Publication Date : 21/11/2014 (54) Title of the invention : METHOD FOR SECURING A DISTRIBUTOR PLATE TO A BACKING PLATE OF A CHROMATOGRAPHY COLUMN AND A CHROMATOGRAPHY COLUMN. :G01N30/60,B01D15/22 (71)Name of Applicant : (51) International classification (31) Priority Document No **1)GE HEALTHCARE BIO SCIENCES AB** :1020146.5 (32) Priority Date :29/11/2010 Address of Applicant :Patent Department Bjrkgatan 30 S 751 (33) Name of priority country 84 Uppsala Sweden :U.K. (86) International Application No :PCT/SE2011/051433 (72)Name of Inventor : Filing Date 1)RAMAKRISHNA Manoj Kumar :28/11/2011 2)AGNIHOTRY Shashikanth (87) International Publication No :WO 2012/074464 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA

(57) Abstract :

Filing Date

The present invention relates to methods for securing a distributor plate to a backing plate of a chromatography column without the need for releasable fixing means as screws or bolts. The invention also relates to chromatographic columns utilizing such methods. The method employs a negative pressure or vacuum that is generated internally within the column to affix the distributor to the backing plate.

:NA

No. of Pages : 22 No. of Claims : 17

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SUSPENDED CEILING SYSTEM SECURING MEMBERS AND PROCESS OF INSTALLING A SUSPENDED CEILING SYSTEM

(51) International classification	:E04B9/24	(71)Name of Applicant :
(31) Priority Document No	:61/408785	1)ARMSTRONG WORLD INDUSTRIES INC.
(32) Priority Date	:01/11/2010	Address of Applicant :2500 Columbia Avenue P.O. Box 3001
(33) Name of priority country	:U.S.A.	Lancaster Pennsylvania 17604 3001 U.S.A.
(86) International Application No	:PCT/US2011/058530	(72)Name of Inventor :
Filing Date	:31/10/2011	1)BAXTER Nathan
(87) International Publication No	:WO 2012/061269	2)WATERS James R.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		•

#### (57) Abstract :

Disclosed is a suspended ceiling system (100) a securing member (118) and process of installing a patterned suspended ceiling system. The suspended ceiling system includes a grid system (102) having first members (104) and second members (106) and at least one substrate (108) which extends below the grid system (102). The at least one substrate has an exposed surface and a concealed surface (112) and the at least one substrate has first sides (114) and second sides (116) which extend between the exposed surface and the concealed surface. Securing members attach to the concealed surface proximate the first sides and the securing members have grid engagement members which secure the at least one substrate to the grid system. The securing members cooperate with the first members and the second members of the grid system to properly position the substrate and the spacing between adjacent at least one substrates is controlled.

No. of Pages : 27 No. of Claims : 20

(21) Application No.4138/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:F25D29/00	(71)Name of Applicant :
(31) Priority Document No	:10/04009	1)MEUNIER Hugo
(32) Priority Date	:11/10/2010	Address of Applicant :4 impasse Jean Perrin F 21300 Chenove
(33) Name of priority country	:France	France
(86) International Application No	:PCT/FR2011/000549	2)MEUNIER Manon
Filing Date	:11/10/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2012/049379	1)MEUNIER Hugo
(61) Patent of Addition to Application	:NA	2)MEUNIER Manon
Number	:NA	
Filing Date	.11A	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : DEVICE FOR THERMALLY CONDITIONING AN OBJECT CONDITIONING METHOD

(57) Abstract :

The invention relates to a device (1) for thermally conditioning an object (2), this device (1) comprising a conditioning machine (3) provided with conditioning means coupled to control means and an object (2) to be thermally conditioned comprising an RFID marker (4), said conditioning machine (3) comprising monitoring means provided with an RFID receiver (5) capable of reading the data from said RFID marker (4), the monitoring means being coupled to said control means and designed to allow said conditioning of said object (2) only if said RFID receiver (5) has recognized data carried by said RFID marker (4) that corresponds to preestablished data that has been recorded by said monitoring means, said object being a bottle intended to contain, or containing, a food preparation. The invention also relates to a method for thermally conditioning an object (2) using such a device (1).

No. of Pages : 19 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

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(51) International classification	:B29D30/24	(71)Name of Applicant :
(31) Priority Document No	:12/904265	1)DAVIAN ENTERPRISES LLC
(32) Priority Date	:14/10/2010	Address of Applicant :6435 Highway 411 South Greenback
(33) Name of priority country	:U.S.A.	Tennessee 37742 U.S.A.
(86) International Application No	:PCT/US2011/056366	(72)Name of Inventor :
Filing Date	:14/10/2011	1)JONES William
(87) International Publication No	:WO 2012/051533	2)HASSELL Stuart J.
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		L

#### (54) Title of the invention : FULLY SUPPORTED EXPANDABLE DECK

(57) Abstract :

An expandable deck comprises a plurality of elongated deck carriers mounted upon an expansion mechanism in a generally parallel and cylindrical formation. A fixed rod is mounted upon a first one of the deck carriers. A pivot rod is mounted upon an adjacent second deck carrier. A pivot segment defines a rotation aperture and a guide slot. The rotation aperture is rotatably mounted upon the pivot rod and the guide slot slidingly receives the fixed rod.

No. of Pages : 14 No. of Claims : 4

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : AIR SPRING HAVING WIRELESS MICRO AND NANO SENSORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul> </li> </ul>	:B60G17/052,B60G17/048,B60G17/044 :12/943999 :11/11/2010 :U.S.A. :PCT/US2011/059510 :07/11/2011 :WO 2012/064625 <sup>0</sup> :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BRIDGESTONE AMERICAS TIRE OPERATIONS LLC Address of Applicant :535 Marriott Drive Nashville Tennessee</li> <li>37214 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)RENSEL John D.</li> <li>2)WILSON Paul B.</li> </ul>
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(57) Abstract :

A sensor system for obtaining data from an air spring having an elastomeric body with a plurality of wireless sensors embedded therein. The sensor length scales range from nano to micro scale devices that are small enough to avoid becoming occlusions within the elastomeric body. The air spring may include a spring wall having an internally reinforced elastomeric body portion with the sensors embedded within. The air spring may include a spring wall having an unreinforced elastomeric body portion with the sensors embedded within. The sensors may be configured to provide data related to one or more of temperature pressure sidewall flex stress strain and other parameters. The sensors may be LCD sensors and/or conductive polymer sensors and/or bio polymer sensors and/or polymer diodes suitable for sensing data during the operation of the air spring.

No. of Pages : 22 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

#### (51) International classification :A61K31/485,A61K9/70 (71)Name of Applicant : (31) Priority Document No :10 014 713.1 1)HEXAL AG Address of Applicant :Industriestrasse 25 83607 Holzkirchen (32) Priority Date :17/11/2010 (33) Name of priority country :EPO Germany (86) International Application No (72)Name of Inventor : :PCT/EP2011/005784 Filing Date :17/11/2011 1)FLESCHHUT Jens (87) International Publication No :WO 2012/065740 2)FEINAEUGLE Susanne (61) Patent of Addition to Application **3)LAUER Karin** :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : TRANSDERMAL THERAPEUTIC SYSTEM COMPRISING BUPRENORPHINE

(57) Abstract :

The invention is concerned with a transdermal therapeutic system (TTS) comprising buprenorphine and a method of manufacturing such a TTS. The transdermal therapeutic system is used for the transdermal administration of buprenorphine and analogues thereof. In particular the invention relates to the use of a transdermal therapeutic system (TTS) for analgesic purposes. The TTS according to the invention comprises a transdermal drug delivery composition comprising buprenorphine and an adhesive component which is a mixture of a crosslinked and a non crosslinked acrylic polymer and a penetration enhancer comprising a keto acid.

No. of Pages : 38 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : HINGED CL.	AMPING COLLAR	
(51) International classification	:F16L23/08	(71)Name of Applicant :
(31) Priority Document No	:1059150	1)ETABLISSEMENTS CAILLAU
(32) Priority Date	:05/11/2010	Address of Applicant :28 rue Ernest Renan F 92130 Issy les
(33) Name of priority country	:France	Moulineaux France
(86) International Application No	:PCT/FR2011/052538	(72)Name of Inventor :
Filing Date	:28/10/2011	1)RIGOLLET Nicolas
(87) International Publication No	:WO 2012/059675	2)PREVOT Fabrice
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The clamping collar comprises a belt (10) made up of two belt portions (12, 13), each of which has a first end (12A, 13A) provided with a tightening tab (14, 15) and a second end (12B, 13B) provided with an assembly member (16, 17). The assembly members are suitable for co-operating to assemble said second ends together in releasable manner. The collar further comprises tightening means (18, 19) suitable for cooperating with the tightening tabs so as to move said tabs relative to each other once the second ends (12B, 13B) are assembled together, in such a manner as to tighten the collar. The first ends (12A, 13A) of the two belt portions (12, 13) are interconnected via a bridge (24) that, when the collar is in the free, non-tightened state, holds the tightening tabs (14, 15) relative to each other, and that has its configuration modified while the collar is being tightened so as to enable the tightening tabs to move relative to each other.

No. of Pages : 32 No. of Claims : 17

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SURGICAL INSTRUMENT WITH MODULAR END EFFECTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> </ul>	:05/11/2010 :U.S.A. :PCT/US2011/059222 :03/11/2011 :WO 2012/061645	<ul> <li>(71)Name of Applicant : <ol> <li>ETHICON ENDO SURGERY INC.</li> <li>Address of Applicant :4545 Creek Road Cincinnati OH 45242</li> </ol> </li> <li>U.S.A. </li> <li>(72)Name of Inventor : <ol> <li>PRICE Daniel W.</li> <li>TIMM Richard W.</li> <li>MOORE Kyle P.</li> <li>JOHNSON Gregory W.</li> <li>SCHULTE John B.</li> <li>MUMAW Daniel J.</li> <li>HOUSER Kevin L.</li> </ol> </li> </ul>
Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

#### (57) Abstract :

A surgical instrument may include a reusable body assembly a reusable transducer and blade assembly and a disposable end effector. The transducer and blade assembly may be latched into the body assembly. One version may include an electrical connector on the latch member to electrically couple the body assembly to the transducer. The end effector may include an outer sheath portion coupleable to an outer sheath of the body assembly via a bayonet connection and a clamp arm pivotably coupled to the outer sheath portion. In some versions an inner tubular member of the body assembly may also couple to an inner tubular member may include a key to align with a slot on the transducer and blade assembly to align the clamp arm with the blade. The end effector may alternatively couple via threading or ratcheting teeth having a slip feature.

No. of Pages : 50 No. of Claims : 20

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SURGICAL INSTRUMENT WITH MODULAR CLAMP PAD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> <li>(87) International</li> </ul> </li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> <li>(62) Divisional to</li> </ul> </li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)ETHICON ENDO SURGERY INC. Address of Applicant :4545 Creek Road Cincinnati OH 45242 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)HOUSER Kevin L.</li> <li>2)HABERSTICH Wells D.</li> <li>3)MILLER Matthew C.</li> <li>4)PRICE Daniel W.</li> </ul>
Application Number Filing Date	:NA :NA	

#### (57) Abstract :

An ultrasonic surgical instrument includes a transmission assembly extending from a body assembly that is configured to selectively couple to a disposable clamp arm. In some versions the clamp arm may include a tab that is insertable into a slot of an inner member such that actuation of the inner member rotates the clamp arm relative to a blade. In other versions the clamp arm may include a ball recess and the inner member may include a rod and ball. The clamp arm may be configured to snap onto the ball and rod. Alternatively the clamp arm may include living hinges coupleable to an outer sheath and the inner member. Such living hinges may be unitarily formed with a clamp pad on the clamp arm. Further still the clamp arm may be part of an end effector configured to couple to the transmission assembly via resilient tabs and slots.

No. of Pages : 67 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : SELECTIVE ACTIVATION OF ELECTRONIC COMPONENTS IN MEDICAL DEVICE

(51) International classification	:A61B18/00,A61B17/00	(71)Name of Applicant :
(31) Priority Document No	:61/410603	1)ETHICON ENDO SURGERY INC.
(32) Priority Date	:05/11/2010	Address of Applicant :4545 Creek Road Cincinnati OH 45242
(33) Name of priority country	:U.S.A.	Uruguay
(86) International Application No	:PCT/US2011/059371	(72)Name of Inventor :
Filing Date	:04/11/2011	1)HOUSER Kevin L.
(87) International Publication No	:WO 2012/061730	2)STULEN Foster B.
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A surgical instrument comprises a body a transmission assembly and a switch. The body comprises a control unit and an integral power source. The power source is operable to selectively deliver power to the control unit. The transmission assembly extends distally from the body. The transmission assembly also includes an end effector driven by the control unit. The switch is in communication with the control unit and the power source. The transmission assembly is operable to actuate the switch to enable delivery of power from the power source to the control unit.

No. of Pages : 36 No. of Claims : 20

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SURGICAL INSTRUMENT WITH MODULAR END EFFECTOR AND DETECTION FEATURE

(51) International classification (21) Priority Decomposit No.	:A61B18/14,A61B17/32,A61B17/00	(71)Name of Applicant : 1)ETHICON ENDO SURGERY INC. Address of Applicant 4545 Creak Bood Cincinneti OII 45242
<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:61/410603 :05/11/2010	Address of Applicant :4545 Creek Road Cincinnati OH 45242 U.S.A.
(32) Name of priority country		(72)Name of Inventor :
<ul> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> </ul>	:PCT/US2011/059354 :04/11/2011	(72)Name of Inventor : 1)HOUSER Kevin L. 2)MONSON Gavin M.
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract :

An apparatus comprises a handle assembly a first transmission assembly and a second transmission assembly. The first transmission assembly is in selective communication with the handle assembly and is operable to deliver energy to a surgical site. The second transmission assembly is in selective communication with the handle assembly and is operable to deliver energy to a surgical site. The first transmission assembly and the second transmission assembly and is operable to deliver energy to a surgical site. The first transmission assembly and the second transmission assembly are operable in different modalities such as ultrasonic and RF electrosurgical modalities using the same handle assembly.

No. of Pages : 40 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METHOD FOR CONTROLLING THE ENERGY CIRCULATIONS IN AN OBJECT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:10 2010 043 676.3 :10/11/2010 :Germany	<ul> <li>(71)Name of Applicant :</li> <li>1)ROBERT BOSCH GMBH Address of Applicant :Postfach 30 02 20 70442 Stuttgart Germany</li> <li>(72)Name of Inventor :</li> <li>1)STAHLSCHMIDT Helmut</li> <li>2)KUEBLER Bjoern</li> <li>3)BRANDSTETTER Markus</li> <li>4)JAGER Lukas</li> </ul>
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(57) Abstract :

A method and an information model for carrying out the method are presented. The method is used to control the energy circulations in an object using a generic information model which comprises at least one generic unit or a generic device (10) which is connected to the energy circulations, wherein the at least one device (10) is associated with a control unit for each energy circulation, and the at least one device (10) has an associated device matrix which describes a flow of energy in at least one of the energy circulations as a function which comprises at least one flow of energy in at least one of the other energy circulations as parameters.

No. of Pages : 16 No. of Claims : 10

(21) Application No.3981/DELNP/2013 A

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DEVICE AND METHOD FOR DISPENSING LIQUIDS

(57) Abstract :

The present invention describes a universal refill containing a volatile liquid for use with at least two different types of emanation device; wherein the universal refill comprises a housing; at least one reservoir in the housing for holding the volatile liquid; at least two valves in the housing in communication with the reservoir wherein each of said valves is configured to be automatically resealable when not being held open; and wherein each type of device emanates the volatile liquid from the universal refill via a different mechanism to each other type of emanation device and wherein said at least two different types of emanation device each comprise a chassis configured to receive and releasably retain the universal refill.

No. of Pages : 30 No. of Claims : 52

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:C08F2/50	(71)Name of Applicant :
(31) Priority Document No	:PA 2010 70487	1)COLOPLAST A/S
(32) Priority Date	:12/11/2010	Address of Applicant :Holtedam 1 DK 3050 Humlebaek
(33) Name of priority country	:Denmark	Denmark
(86) International Application No	:PCT/DK2011/050432	(72)Name of Inventor :
Filing Date	:11/11/2011	1)MADSEN Niels Joergen
(87) International Publication No	:WO 2012/062334	2)NIELSEN Christian B.
(61) Patent of Addition to Application	·NIA	3)SEHNAL Petr
Number	:NA	4)ANDERSON David George
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : NEW ROUTES TO POLYACRYLATES

(57) Abstract :

The invention provides a polyacrylate obtained by radical polymerization of at least one acrylate monomer (Ac) in the presence of a polymeric photoinitiator. The polymeric photoinitiator is a co polymer of at least one photoinitiator monomer (A) with at least one monomer (B) and optional additional monomers (C). Rapid polymerization of the acrylate monomer is provided. The invention also provides a method for producing a polyacrylate using the polymeric photoinitiator as described and the use of a polymeric photoinitiator of radical polymerization of acrylate monomers.

No. of Pages : 55 No. of Claims : 47

(22) Date of filing of Application :03/05/2013

### (43) Publication Date : 21/11/2014

(54) Title of the invention : NOVEL PHOTOINITIATORS		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application N Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:11/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)COLOPLAST A/S <ul> <li>Address of Applicant :Holtedam 1 DK 3050 Humlebaek</li> </ul> </li> <li>Denmark <ul> <li>(72)Name of Inventor :</li> <li>1)MADSEN Niels Joergen</li> <li>2)SEHNAL Petr</li> <li>3)NIELSEN Christian B.</li> <li>4)ANDERSON David George</li> </ul> </li> </ul>

(57) Abstract :

The present invention provides novel photoinitiators for polyurethane formation in which a photoinitiator moiety and a tertiary amine are incorporated into the photoinitiator structure and thus the polyurethane polymer.

No. of Pages : 42 No. of Claims : 27

(22) Date of filing of Application :03/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : SURGICAL INSTRUMENT WITH SENSOR AND POWERED CONTROL

(51) International classification	:A61B18/14,A61B17/32,A61B17/00	(71)Name of Applicant : 1)ETHICON ENDO SURGERY INC.
(31) Priority Document No	:61/410603	Address of Applicant :4545 Creek Road Cincinnati OH 45242
(32) Priority Date	:05/11/2010	U.S.A.
(33) Name of priority country	y:U.S.A.	(72)Name of Inventor :
(86) International	:PCT/US2011/059381	1)HOUSER Kevin L.
Application No	:04/11/2011	2)STULEN Foster B.
Filing Date		3)DANNAHER William D.
(87) International Publication :WO 2012/061739		4)SHELTON Frederick E.
No	. WO 2012/001/39	5)STROBL Geoffrey S.
(61) Patent of Addition to	:NA	6)VOEGELE Aaron C.
Application Number	:NA :NA	7)LESSEK Timothy P.
Filing Date	.INA	8)MONSON Gavin M.
(62) Divisional to	:NA	9)WORRELL Barry C.
Application Number		10)JAIN Hitesh
Filing Date	:NA	

(57) Abstract :

A surgical instrument includes a temperature sensor and a control unit that is operable to deactivate an end effector of the surgical instrument. In some versions the temperature sensor detects the temperature of a transducer while in others the temperature sensor detects the temperature of the end effector. The surgical instrument may also include a trigger and a trigger position sensor. A force sensor or a position sensor may be included to determine the force and/or position of the transmission assembly. The end effector may also include a force sensor or a micro coil. A surgical instrument having a sensor may be included in a surgical system that includes a control unit and a remote controller. In some instances the remote controller may have one or more force feedback components. In addition a device interface and a surgeon interface may be included to remotely adjust the settings of the control unit.

No. of Pages : 71 No. of Claims : 20

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PAN HER ANTIBODY COMPOSITION

#### (57) Abstract :

The present invention is directed to improved therapeutics against receptors within the EGFR/ErbB/HER family that more broadly interfere with multiple members of the HER family (pan HER inhibition). More particularly the invention is directed to the use of antibody compositions for human cancer therapy. In vitro studies have shown that the antibody compositions of the invention targeting multiple HER family receptors are superior to antibody compositions targeting only one HER family receptor.

No. of Pages : 142 No. of Claims : 50

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : DRIVE DEVICE, METHOD OF MANUFACTURING THEREOF, LENS MODULE, AND IMAGE-PICKUP DEVICE

Name of Applicant : SONY CORPORATION Address of Applicant :1 7 1 Konan Mitano ku Tokyo 1080075 n Name of Inventor : ISHIDA Takehisa NAGAI Nobuyuki KATO Yusaku	)80075
ISHIDA Takehis NAGAI Nobuyu	sa

(57) Abstract :

A drive unit capable of reducing size while maintaining drive characteristics, a method of manufacturing the same, a lens module, and an image pickup unit are provided. A drive unit 1 includes: a fixing member 12; an actuator device 13 having a first end portion directly or indirectly fixed by the fixing member 12; and a reinforcing member (reinforcing layer 18) provided on part or all of the actuator device 13. Mechanical strength of the actuator device 13 is secured even when the width of the actuator device 13 (for example, the width W12) is narrowed, by providing the above-described reinforcing member 18.

No. of Pages : 63 No. of Claims : 20

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR PRODUCING DETERGENT PARTICLE AGGREGATES

(32) Priority Date:19/11/2010(33) Name of priority country:Japan(86) International Application:PCT/JP2011/076652No:18/11/2011	<ul> <li>71)Name of Applicant :</li> <li>1)KAO CORPORATION <ul> <li>Address of Applicant :14 10 Nihonbashi Kayabacho 1 chome</li> </ul> </li> <li>Chuo ku Tokyo 1038210 Japan</li> <li>72)Name of Inventor : <ul> <li>1)NAKAYAMA Takashi</li> <li>2)WARITA Hiroaki</li> <li>3)IMAIZUMI Yoshinobu</li> </ul> </li> </ul>
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(57) Abstract :

The method for producing detergent particle aggregates comprising a process 01 granulating spray-driea particles and powdered detergent feedstock using a rotating container mixer performs the granulation by adding an anionic surfactant and/or an acid precursor thereof to said rotating container mixer using a multi-fluid nozzle. This method for producing detergent particle ag - gregates exhibits the ability to obtain good yields of medium and low bulk density detergent particle aggregates with reduced proportions of spray-dried particles used and the ability to obtain detergent particle aggregates of sharp particle size distribution and superi - or flowability.

No. of Pages : 47 No. of Claims : 12

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : ELEVATOR SYSTEM WITH EMERGENCY OPERATION AND BACKUP POWER SUPPLY AT THE SAME LOCATION AS THE ELEVATOR DRIVE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:NA :NA :NA :PCT/IB2010/003321 :02/12/2010 :WO 2012/073065 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)OTIS ELEVATOR COMPANY Address of Applicant :Ten Farm Springs Farmington CT</li> <li>06032 2568 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)GHAZI Mourad</li> <li>2)DESPRES Stphane</li> <li>3)BEEUWSAERT Michel</li> </ul>
· · · · · · · · · · · · · · · · · · ·	:NA :NA	

(57) Abstract :

An exemplary elevator system includes an elevator car situated for movement within a hoistway. An elevator drive provides control over a position of the elevator car in the hoistway. A backup power source provides power when the primary power source is unavailable. An emergency controller uses power from the backup power source for controlling the position or movement of the elevator car within the hoistway when the primary power source is unavailable. The elevator drive the emergency controller and the backup power source are all supported together in a single location within the hoistway.

No. of Pages : 9 No. of Claims : 15

(21) Application No.4168/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:B26B21/52,B26B21/22	(71)Name of Applicant :
(31) Priority Document No	:NA	1)THE GILLETTE COMPANY
(32) Priority Date	:NA	Address of Applicant :World Shaving Headquarters IP Legal
(33) Name of priority country	:NA	Patent Department 3E One Gillette Park Boston Massachusetts
(86) International Application No	:PCT/CN2011/000532	02127 U.S.A.
Filing Date	:28/03/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2012/129720	1)DONG Fang
(61) Patent of Addition to Application	:NA	2)WINTER Florina
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : HAND HELD DEVICE HAVING A ROTATIONAL AXIS

(57) Abstract :

A hand held device comprising: a handle said handle comprising a grip portion and a connection portion said connection portion rotating with respect to said grip portion about a rotational axis said connection portion forming a docking portion suitable for receiving an optional head unit said docking portion being positioned opposite distally away from said grip portion wherein the grip portion and the connection portion are connected by a rod said rod comprising a distal end non rotatably attached to the grip portion and a proximal end non rotatably attached to the connection portion wherein rotational axis forms a central longitudinal axis of said rod.

No. of Pages : 30 No. of Claims : 15

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METHOD OF PERFORMING A FINANCIAL TRANSACTION VIA UNSECURED PUBLIC TELECOMMUNICATION INFRASTRUCTURE AND AN APPARATUS FOR SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> </ul>	:H04L9/32,G06Q40/00 :NA :- : :PCT/SG2010/000427 :10/11/2010 :WO 2012/064280 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SMART HUB PTE. LTD. Address of Applicant :100 Beach Road #25 06 Shaw Towers Singapore 189702 Singapore</li> <li>(72)Name of Inventor :</li> <li>1)IBASCO Alex D.</li> <li>2)POSADAS Patrick B.</li> <li>3)CO Vincent C.</li> <li>4)YU William Emmanuel S.</li> </ul>
		4)YU William Emmanuel S.
Filing Date	:NA	

#### (57) Abstract :

A method of performing a financial transaction via unsecured public telecommunication infrastructure comprising collecting data relating to a specified financial transaction type; building a transaction token including collected data and/or data derived from the collected data; encrypting the transaction token; creating a financial transaction protocol message incorporating the encrypted transaction token as dependent on a selected transport channel through which the message is to be conveyed; and conveying the financial transaction protocol message using the selected transport channel and by way of the unsecured public telecommunication infrastructure to a destination where the financial transaction protocol message will be further processed is disclosed.

No. of Pages : 27 No. of Claims : 21

(21) Application No.3960/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SURGICAL INSTRUMENT WITH CHARGING STATION AND WIRELESS COMMUNICATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority countr</li> </ul>	:A61B18/04,A61B17/32,A61B17/00 :61/410603 :05/11/2010 v:U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)ETHICON ENDO SURGERY INC. Address of Applicant :4545 Creek Road Cincinnati OH 45242 U.S.A.</li> <li>(72)Name of Inventor :</li> </ul>
<ul> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:PCT/US2011/059351 :04/11/2011	<ol> <li>HOUSER Kevin L.</li> <li>PRICE Daniel W.</li> <li>MONSON Gavin M.</li> <li>JAIN Hitesh</li> </ol>
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

An apparatus comprises an electrically power surgical instrument having a handle assembly. The apparatus also comprises a communication device positioned within the handle assembly. The communication device is operable to communicate with at least a portion of the electrically powered surgical instrument. The apparatus further comprises an external device in wireless communication with the communication device. The external device is operable to receive information from the communication device and the external device is operable to provide an output viewable to the user.

No. of Pages : 40 No. of Claims : 20

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : TILTABLE MULTIPLE STAGED COAL BURNER IN A HORIZONTAL ARRANGEMENT

(57) Abstract :

Horizontally arranged burners for boiler furnaces are provided where each burner includes a fuel nozzle surrounded by a secondary air outlet. The fuel nozzle and secondary air outlets may tilt in tandem with respect to an air plenum supplying inner secondary air and a fuel carrier providing fuel. Also provided are outer secondary air buckets that may independently tilt with respect to a frame connected to the air plenum. This arrangement can be installed as a retrofit in a conventional horizontal furnace system or in a newly built system. The fuel nozzle and secondary air outlet and secondary air buckets may all tilt in unison or may all tilt independently. The tilting assists with optimizing a flame temperature profile within the furnace

No. of Pages : 30 No. of Claims : 21

(22) Date of filing of Application :10/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : NON METAL TANNING

<ul> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to</li> </ul>	:10014550.7 :12/11/2010 :EPO :PCT/EP2011/005367 :25/10/2011 :WO 2012/062413 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CLARIANT FINANCE (BVI) LIMITED Address of Applicant :Citco Building Wickhams Cay P.O.</li> <li>Box 662 Road Town Tortola VIRGIN ISLANDS</li> <li>(72)Name of Inventor :</li> <li>1)REINEKING Claus</li> <li>2)GAMARINO Roberta</li> <li>3)TRIMARCO Licia</li> <li>4)QUAGLIERINI Maurizio</li> <li>5)GISLER Markus</li> <li>6)NUSSER Rainer</li> </ul>
Application Number	:NA :NA	

(57) Abstract :

Tanned leather skin or pelt is produced by non metal tanning comprising the step of tanning a bated hide skin or pelt with a tanning agent (A) the tanning agent (A) being at least one compound of formula (I) R NH Y SO Z wherein R signifies a radical of formula (Ia) (Ib) (Ic) (Id) or (Ie) wherein Hal signifies fluorine or chlorine X signifies N or CR1 Y signifies an aliphatic araliphatic or aromatic hydrocarbonic bridge which may optionally be interrupted by a heteroatom or heteroatomic group Z signifies vinyl chloroethyl phosphatoethyl or sulphatoethyl R1 signifies hydrogen or CI in a tanning bath the tanning bath having a pH of from 6 to 10 at the beginning of tanning step.

No. of Pages : 46 No. of Claims : 18

(22) Date of filing of Application :10/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : NON METAL TANNING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> <li>(87) International</li> </ul> </li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to</li> <li>Application Number</li> </ul>		<ul> <li>(71)Name of Applicant : <ul> <li>1)CLARIANT FINANCE (BVI) LIMITED</li> <li>Address of Applicant :Citco Building Wickhams Cay P.O.</li> </ul> </li> <li>Box 662 Road Town Tortola British Virgin Islands <ul> <li>(72)Name of Inventor : <ul> <li>1)REINEKING Claus</li> <li>2)GAMARINO Roberta</li> <li>3)TRIMARCO Licia</li> <li>4)QUAGLIERINI Maurizio</li> <li>5)GISLER Markus</li> <li>6)NUSSER Rainer</li> </ul> </li> </ul></li></ul>
Application Number Filing Date	:NA :NA	

#### (57) Abstract :

Tanned leather skin or pelt is produced by non metal tanning comprising the step of tanning a bated hide skin or pelt with a tanning agent (A) the tanning agent (A) being a sulpho group containing dichloro diazine selected from compounds of formula (I) of formula (II) and of formula (III) and mixtures of two or more thereof wherein R1 signifies

hydrogen methyl methoxy benzoyl naphthoyi mono or di(C alkyl) aminocarbonyl C alkoxy carbonyl or oxy mono or oligo (C alkyleneoxy) carbonyl R2 (SOM) signifies a radical of formula a) or b) R3 signifies hydrogen d 8 alkyl or d s alkoxy m is 1 or 2 n is 1 or 2 and M signifies hydrogen or an alkali metal cation or an ammonium cation the ammonium cation being a protonated tertiary amine or a quaternary ammonium cation in a tanning bath the tanning bath having a pH of from 6 to 10 at the beginning of tanning step.

No. of Pages : 46 No. of Claims : 18

(22) Date of filing of Application :06/05/2013

#### (54) Title of the invention : PROCESS FOR PRODUCING GRAIN ORIENTED ELECTRICAL STEEL SHEET

	n:C21D8/12,C22C38/00,C22C38/06	
(31) Priority Document No	:NA	1)NIPPON STEEL & SUMITOMO METAL
(32) Priority Date		CORPORATION
(33) Name of priority country	:NA	Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku
(86) International Application	:PCT/JP2012/068483	Tokyo 1008071 Japan
No	:20/07/2012	(72)Name of Inventor :
Filing Date	.20/07/2012	1)MURAKAMI Kenichi
(87) International Publication	:WO 2014/013615	2)USHIGAMI Yoshiyuki
No		3)TAKAHASHI Fumiaki
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application	:NA	
Number	:NA :NA	
Filing Date	.117	

(57) Abstract :

This process includes: using a slab having a desired composition which contains 0.02 to 0.20% of Sn and 0.010 to 0.080% of P; adjusting the finishing temperature of hot rolling of the slab to 950°C or lower; annealing the hot rolled steel plate at 800 to 1200°C; adjusting the cooling rate in cooling the hot rolled steel plate from 750°C to 300°C in the annealing to 10 to 300°C/sec; adjusting the cold rolling reduction of the annealed steel plate to 85% or more; and subjecting the cold rolled steel plate to nitriding at a stage between the initiation of decarburization annealing and the occurrence of secondary recrystallization in finish annealing said nitriding increasing the N content of the decarburization annealed steel plate.

No. of Pages : 37 No. of Claims : 6

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : N ARYL PYRAZOLE(THIO)CARBOXAMIDES

<ul> <li>(51) International classification</li> <li>(31) Priority Document Not</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> </ul>	:C07D231/14,C07D409/12,A01N43/34 b:10191269.9 :15/11/2010 :EPO :PCT/EP2011/070036 :14/11/2011 :WO 2012/065944 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant :Alfred Nobel Strasse 10 40789</li> <li>Monheim am Rhein Germany</li> <li>(72)Name of Inventor :</li> <li>1)BENTING Juergen</li> <li>2)DESBORDES Philippe</li> <li>3)GARY Stphanie</li> <li>4)GREUL Jrg</li> <li>5)TSUCHIYA Tomoki</li> <li>6)WACHENDORFF NEUMANN Ulrike</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract :

The present invention relates to novel (thio)carboxamides their process of preparation their use as fungicide active agents particularly in the form of fungicide compositions and methods for the control of phytopathogenic fungi notably of plants using these compounds or compositions.

No. of Pages : 74 No. of Claims : 17

#### (19) INDIA

(22) Date of filing of Application :06/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : TUBE FOR HEAT EXCHANGER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:F28F1/02,B21D53/04,F28D1/053 :2010252807 :11/11/2010 :Japan :PCT/JP2011/006169 :04/11/2011 :WO 2012/063443 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ul> <li>1)DENSO CORPORATION</li> <li>Address of Applicant :1 1 Showa cho Kariya city Aichi</li> </ul> </li> <li>4488661 Japan <ul> <li>(72)Name of Inventor : <ul> <li>1)OOHARA Takahide</li> <li>2)HAMADA Hiroshi</li> <li>3)YOSHIDA Norio</li> <li>4)SAKAKIBARA Tetsuya</li> <li>5)MITSUKAWA Kazuhiro</li> <li>6)OU U</li> <li>7)GENDA Hiroyuki</li> <li>8)SAITOU Mitsuyoshi</li> <li>9)NAKABOU Tadashi</li> <li>10)MIYAZAKI Noriyuki</li> <li>11)BABA Norimasa</li> <li>12)SHIMANUKI Hiroyasu</li> </ul> </li> </ul></li></ul>
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#### (57) Abstract :

A cylindrical member (20) of a tube for a heat exchanger is made of a pair of flat plate portions (21, 22) opposite to each other in parallel In a minor radius direction of a flow passage section, and a pair of curved portions (23, 24) opposite to each 5 other in a major radius direction of the flow passage section and for connecting the pair of flat plate portions (21, 22) to each other One of the pair of curved portions (23, 24) constructs a bonded portion in which an outer wall portion (241) and an Inner wall portion (242) are bonded to each by brazing in a state where the outer wall portion (241) and the inner wall portion (242) overlap each other. The outer wall 10 portion (241) is extended from an end portion of one flat plate portion (242) is extended from an end portion (20), and the inner wall portion (242) is extended from an end portion (241) and constructs an inner wall of the cylindrical member (20), and the inner wall portion (242) is extended from an end portion (241) put into close contact with the outer wall portion (241) and is bonded to the one flat plate portion (21) in a state where a tip end portion (244) opposite to the one flat plate portion (21) is separated from the one flat plate portion (21).

No. of Pages : 27 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PUMP HOUSING FOR MOTOR VEHICLE HYDRAULIC ASSEMBLIES AND THE USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Eiling Date</li> </ul>	:11/10/2011 :WO 2012/072319 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ul> <li>1)ROBERT BOSCH GMBH</li> <li>Address of Applicant :Postfach 30 02 20 70442 Stuttgart</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)WEH Andreas</li> </ul> </li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	
	.11A	

#### (57) Abstract :

In a pump housing (22) of a motor-vehicle hydraulic assembly, on which pump housing (22) at least two inlet-valve openings (66), at least two outlet-valve openings (68), at least one high-pressure control valve opening (70) and at least one switchovervalve opening (72) and a pressure sensor connection (74) are formed, in a refinement according to the invention the at least two inlet-valve openings (66) are arranged in a first row, the at least two outlet-valve openings (68) are arranged in a following second row, the pressure sensor connection (74) is arranged in a further following third row, and the at least one high-pressure control valve opening (70) and the at least one switchover-valve opening (72) are arranged in a further following fourth row. Furthermore, there are also five inventions with respect to arrangements of connecting lines and holes in a pump housing for the short connection of the valve openings and connections, and one invention with respect to the use of the pump housing according to one of the six inventions.

No. of Pages : 20 No. of Claims : 9

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : ANTITHEFT DEVICE FOR A VEHICLE STEERING COLUMN HAVING A SAFETY FUNCTION REQUIRING PRESSING

(51) International classification	:B60R25/02	(71)Name of Applicant :
(31) Priority Document No	:10/04353	1)VALEO SECURITE HABITACLE
(32) Priority Date	:05/11/2010	Address of Applicant :76 rue Auguste Perret Zone Europarc F
(33) Name of priority country	:France	94046 Creteil France
(86) International Application No	:PCT/EP2011/068979	(72)Name of Inventor :
Filing Date	:28/10/2011	1)DELLA FIORENTINA Alix
(87) International Publication No	:WO 2012/059424	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The invention relates to an antitheft device (2) for a vehicle steering column, including a lock comprising a rotor (14) and a stator (12), one of which has a pin (24) and the other of which has a groove (46) for receiving the pin and shaped such that, froni a predetermined angular position, a rotation of the rotor with respect to the stator in a predetermined direction requires a preliminary pressing of the rotor with respect to the stator of the device.

No. of Pages : 19 No. of Claims : 10

(21) Application No.4183/DELNP/2013 A

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : INFLATABLE STEERABLE BALLOON FOR ELEVATION OF TISSUE WITHIN A BODY (51) International classification (31) Priority Document No (32) Priority Date (31) Priority Date (32) Priority Date (33) Priority Date (34) Priority Date (35) Priority Date (36) Priority Date (37) Priority Date (37) Priority Date (38) Priority Date (39) Priority Date (31) Priority Date (31) Priority Date (32) Priority Date (32) Priority Date (33) Priority Date (34) Priority Date (35) Priority Date (36) Priority Date (37) Priority

(52) Thomy Date	.12/11/2010	Address of Applicant .150 Windteman Road Andover WA
(33) Name of priority country	:U.S.A.	01810 U.S.A.
(86) International Application No	:PCT/US2011/060613	(72)Name of Inventor :
Filing Date	:14/11/2011	1)FAN Wei Li
(87) International Publication No	:WO 2012/065168	2)PHILIPPON Marc J.
(61) Patent of Addition to Application	:NA	3)TORRIE Paul Alexander
Number	:NA :NA	4)BOMBARD David L.
Filing Date	.11A	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

(19) INDIA

An apparatus for elevating tissue within a body including a tubular member having a proximal end and a distal end and a central axis defined therethrough in which the tubular member comprises a first lumen and a second lumen separately formed therein a balloon secured to a region of the tubular member in which a region of the tubular member is engagable with an injection mechanism in which the engaged injection mechanism is engagable to be in communication with the first lumen of the tubular member and in which the first lumen of the tubular member provides a path to an interior of the balloon.

No. of Pages : 69 No. of Claims : 22

(21) Application No.4184/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:B65B57/00	(71)Name of Applicant :
(31) Priority Document No	:2011110247832.X	1)SHANGHAI HONGQU ELECTRONIC TECHNOLOGY
(32) Priority Date	:26/08/2011	CO. LTD.
(33) Name of priority country	:China	Address of Applicant :Room 3620 1 unit 11 No.3855.
(86) International Application No	:PCT/CN2012/071887	Shangnan RD Pudong New Area Shanghai 200124 China
Filing Date	:02/03/2012	(72)Name of Inventor :
(87) International Publication No	:WO 2013/029356	1)CAO Weilong
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11A	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (54) Title of the invention : CONTROL DEVICE FOR TUBULAR MATERIAL PACKAGE

(57) Abstract :

A control device for a tubular material package, which achieves control of a tubular material package by the effective cooperation of relays (44), sensors (27) and a controller (60). All of the relays have an ON state and an OFF state and are connected to the controller, and each relay is connected to a corresponding component. The sensors are distributed on the components, and capable of detecting and identifying the current state of an object to be detected; all of the sensors are connected to the controller and sensing information to the controller. The controller comprises electronics and a control programme, and is capable of receiv - ing the information from the sensors and sending instructions controlling the relays. The control device is used in a packing machine for tubular materials.

No. of Pages : 27 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

(62) Divisional to Application Number :NA	<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:201110247879.6 :26/08/2011 :China :PCT/CN2012/071899 :03/03/2012 :WO 2013/029361 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SHANGHAI HONGQU ELECTRONIC TECHNOLOGY</li> <li>CO. LTD <ul> <li>Address of Applicant :Room 3620 1 Unit 11 No.3855.</li> </ul> </li> <li>Shangnan Rd Pudong New Area Shanghai 200124 China</li> <li>(72)Name of Inventor : <ul> <li>1)CAO Weilong</li> </ul> </li> </ul>
	Number Filing Date	:NA	
Filing Date NA	6	:NA :NA	

#### (54) Title of the invention : UPPER SEALING DEVICE FOR TUBULAR MATERIAL PACKAGE

(57) Abstract :

An upper sealing device for a tubular material package i s a packaging device for a pillow-type package, comprising a feeder (10), a discharger (11), open end fixing means (20), a rec tractable part (22), open end sealing means (30), holding means (40), sensors (51) for a carrying plate (42), a controller (50), a package (60) and an object to be packaged (62). The open end sealing means (30) are provided on both sides of the open end fixing means (20), and the hold ing means (40) is provided below the open end sealing means (30). Discharging outlets (12) are arranged in a row on the discharger (11). Several open end fixing parts (21) are provided on the open end fixing means (20). Several holding parts (41) are provided on the holding means (40). Each dis charging outlet (12) opens downwards, and each open end fixing part is provided correspondingly below each discharging outlet. The open end fixing means (20) moves up and down. Each holding part (41) is provided correspondingly be low each open end fixing part (21). The open end sealing means (30) is opened or closed in the horizontal direction, and the holding parts (41) are also opened or closed in the horizontal direction. After the object to be packaged enters the package from the top to the bottom, the holding means clamps the package, so that not only the openend can be sep arated from the open end fixing means for sealing, but also the air in the package can be pressed out.

No. of Pages : 23 No. of Claims : 2

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : REGENERATIVE POWER CONTROL FOR PASSENGER CONVEYORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:B66B25/00,B66B23/02 :NA :NA :NA :PCT/US2010/060906 :17/12/2010 :WO 2012/082134 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)OTIS ELEVATOR COMPANY <ul> <li>Address of Applicant :Ten Farm Springs Farmington</li> </ul> </li> <li>Connecticut 06032 U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)MA GuangHua</li> </ul> </li> </ul>
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(57) Abstract :

An exemplary device for controlling power associated with a passenger conveyor motor includes a regenerative drive that is configured to facilitate providing electricity generated by the motor to a power source when the passenger conveyor is moving. The controller determines when an operating condition of the regenerative drive is outside of a desired range and responsively prevents the regenerative drive from facilitating providing the electricity to the power source.

No. of Pages : 13 No. of Claims : 20

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : APPARATUS FOR CONDUCTING ORAL CARE EXPERIMENTS AND METHOD OF FORMING AND USING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:PCT/US2010/059193 :07/12/2010	<ul> <li>(71)Name of Applicant :</li> <li>1)COLGATE PALMOLIVE COMPANY Address of Applicant :300 Park Avenue New York NY 10022</li> <li>U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)PILLAI Shyamala</li> <li>2)XU Guofeng</li> </ul>
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

#### (57) Abstract :

An apparatus for conducting oral care experiments with enamel block substrates (140) and a method of forming and using the same. In one aspect the invention can be an apparatus for conducting oral care experiments comprising: a plate having a first major surface (111) and a second major surface (112); a handle (170) coupled to and extending from the plate; and at least one enamel block substrate mounted on the first major surface of the plate.

No. of Pages : 29 No. of Claims : 38

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DENTIFRICE COMPOSITIONS CONTAINING CALCIUM SILICATE

(51) International classification	A61K8/04,A61K8/25,A61Q11/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COLGATE PALMOLIVE COMPANY
(32) Priority Date	:NA	Address of Applicant :300 Park Avenue New York New York
(33) Name of priority country	:NA	10022 U.S.A.
(86) International Application No Filing Date	:PCT/US2010/059182 :07/12/2010	<ul><li>(72)Name of Inventor :</li><li>1)CHOPRA Suman Kumar</li><li>2)PATEL Rahul</li></ul>
(87) International Publication No	:WO 2012/078136	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An oral care composition includes an effective amount of calcium silicate particles. The calcium silicate particles have an average diameter of less than about 5 microns such that they can occlude dentinal tubules of the teeth. An oral care method includes applying the composition to an oral cavity of a subject to reduce or inhibit hypersensitivity of the teeth and to achieve other benefits.

No. of Pages : 21 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : COMMUNICATION PATH CONTROL SYSTEM PATH CONTROL DEVICE COMMUNICATION PATH CONTROL METHOD AND PATH CONTROL PROGRAM

(51) International classification	:H04L12/56	(71)Name of Applicant :
(31) Priority Document No	:2010277204	1)NEC Corporation
(32) Priority Date	:13/12/2010	Address of Applicant :7 1 Shiba 5 chome Minato ku Tokyo
(33) Name of priority country	:Japan	1088001 Japan
(86) International Application No	:PCT/JP2011/004587	(72)Name of Inventor :
Filing Date	:15/08/2011	1)ITOH Nobuhiko
(87) International Publication No	:WO 2012/081145	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(		

(57) Abstract :

A communication path control system that can reduce the number of packets used for communication path control is provided. Process querying means in a packet transmitting device queries a path control device about a process for a received packet. When receiving the query about the process for the packet from the packet transmitting device packet transmitting device determining means in the path control device determines a packet transmitting device that is applied a packet transmission rule determined according to the packet based on whether or not the query about the process for the packet is a first time query.

No. of Pages : 51 No. of Claims : 10

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : FOOD COMPOSITION FOR HEMOPHAGOUS INSECTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(33) Name of priority country</li> <li>(36) International Application No</li> <li>Filing Date</li> <li>(21/11/2011</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> <li>(33) Name of priority country</li> <li>(34) Name of priority country</li> <li>(35) Name of priority country</li> <li>(36) International Application No</li> <li>(37) International Publication No</li> <li>(38) Name of Addition to Application</li> <li>(39) Name of Addition to Application</li> <li>(30) Name of Application Number</li> <li>(31) Pate</li> <li>(32) Name of Pate</li> <li>(33) Name of Pate</li> <li>(34) Name of Pate</li> <li>(35) Name of Pate</li> <li>(36) International Publication Number</li> <li>(37) Name of Pate</li> <li>(38) Name of Pate</li> <li>(39) Name of Pate</li> <li>(30) Name of Pate</li> <li>(31) Name of Pate</li> <li>(32) Name of Pate</li> <li>(33) Name of Pate</li> <li>(34) Name of Pate</li> <li>(35) Name of Pate</li> <li>(36) Name of Pate</li> <li>(37) Name of Pate</li> <li>(38) Name of Pate</li> <li>(39) Name of Pate</li> <li>(31) Name of Pate</li> <li>(32) Name of Pate</li> <li>(32) Name of Pate</li> <li>(33) Name of Pate</li> <li>(34) Name of Pate</li> <li>(35) Name of Pate</li> <li>(36) Name of Pate</li> <li>(37) Name of Pate</li> <li>(38) Name of Pate</li> <li>(38) Name of Pate</li> <li>(39) Name of Pate</li> <li>(31) Name of Pate</li> <li>(32) Name of Pate</li> <li>(32) Name of Pate</li> <li>(33) Name of Pate</li> <li>(34) Name of Pate</li> <li>(35) Name of Pate</li> <li>(36) Name of Pate</li> <li>(36) Name of Pate</li> <li>(37) Name of Pate</li> <li>(38) Name of Pate</li> <li>(38) Name of Pate</li> <li>(39) Name of Pate</li> <li>(31) Name of Pate</li> <li>(32) Name of Pate</li> <li>(32) Name of Pate</li> <li>(33) Name</li></ul>	<ul> <li>(71)Name of Applicant :</li> <li>1)TOKITAE LLC Address of Applicant :11235 SE 6th Street Suite 200 Bellevue Washington 98004 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)ACAR E. Barcin</li> <li>2)DEANE Geoffrey F.</li> <li>3)JOHANSON 3ric</li> <li>4)MULLEN Emma Rae</li> <li>5)MYHRVOLD Nathan P.</li> <li>6)PETERSON Nels R.</li> <li>7)TEGREENE Clarence T.</li> <li>8)WHITMER Charles</li> <li>9)WOOD JR. Lowell L.</li> </ul>
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(57) Abstract :

A composition suitable for feeding hemophagous insects includes peptides salt and a C0 generator.

No. of Pages : 34 No. of Claims : 165

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : STORAGE STABLE LIQUID WASHING OR CLEANING AGENT CONTAINING PROTEASE AND CELLULASE

(57) Abstract :

According to the invention storage stability in terms of cellulolytic activity is to be improved in a liquid washing or cleaning agent which comprises a protease and cellulase. This is achieved by the use of a protease which comprises an amino acid sequence which is at least 80% identical to the amino acid sequence specified in SEQ ID NO. 1 and which has the amino acid glutamic acid (E) or aspartic acid (D) or the amino acid asparagine (N) or glutamine (Q) or the amino acid alanine (A) or glycine (G) or serine (S) at position 99 in the count according to SEQ ID NO. 1.

No. of Pages : 43 No. of Claims : 14

(21) Application No.4107/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DEVICE AND METHOD FOR DISLODGING ACCRUED DEPOSITS

(51) International classification	:A47L5/00	(71)Name of Applicant :
(31) Priority Document No	:12/943176	1)FLOW INDUSTRIES LTD.
(32) Priority Date	:10/11/2010	Address of Applicant :Omarim 29 Omer Industrial Park 84965
(33) Name of priority country	:U.S.A.	Omer Israel
(86) International Application No	:PCT/IL2011/000868	(72)Name of Inventor :
Filing Date	:09/11/2011	1)ASS Yuri
(87) International Publication No	:WO 2012/063239	2)KABISHCHER Gennadi
(61) Patent of Addition to Application	:NA	3)ROSE Oded
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		1

(57) Abstract :

A device for dislodging accrued deposits is disclosed. The device includes a gas impulse generating device for generating gas blasts directed in a predetermined direction; and an additive supply device for introducing an additive into the gas blasts. A method and a computer program product for dislodging accrued deposits are also disclosed.

No. of Pages : 25 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)A. O. SMITH CORPORATION <ul> <li>Address of Applicant :11270 West Park Place Milwaukee</li> </ul> </li> <li>Wisconsin 53224 U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)CHENG Yonghua</li> <li>2)DOU Liliang</li> </ul> </li> </ul>
(86) International Application No Filing Date	:PCT/CN2010/079314 :01/12/2010	(72)Name of Inventor : 1)CHENG Yonghua
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	5)MA Hongfei

#### (54) Title of the invention : LOW NOX BURNER FOR A WATER HEATER

(57) Abstract :

A method of assembling multiple low NO burners (100) a low NO burners (100) and a tankless gas fired water heater (500) are disclosed. The method includes the step of assembling multiple bodies (152) each body (152) includes multiple first burner ports (135) connected to a first burner inlet (125) and multiple second burner ports (150) connected to a second burner inlet (140). The method also includes the step of selecting one of the bodies (152) and inserting a first inlet tube (120 220 320 420) into the second burner inlet (140) to provide a fuel/air mixture to the second burner ports (150) at a first rate. The method also includes the step of selecting one of the bodies (152) and inserting a second burner ports (150) at a first rate.

No. of Pages : 24 No. of Claims : 19

(21) Application No.4200/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : A BUILDING PANEL BUILDING SYSTEM AND METHOD OF CONSTRUCTING A BUILDING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(34) Name of priority country</li> <li>(35) Name of priority country</li> <li>(30) Name of priority country</li> <li>(31) Priority Date</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(33) Name of priority country</li> <li>(33) Name of priority country</li> <li>(34) Name of priority country</li> <li>(35) Name of priority country</li> <li>(36) International Application No</li> <li>(37) International Publication No</li> <li>(38) International Publication No</li> <li>(39) International Publication No</li> <li>(31) International Publication No</li> <li>(37) International Publication No</li> <li>(38) International Publication No</li> <li>(39) International Publication No</li> <li>(30) International Publication No</li> <li>(31) International Publication No</li> <li>(31) International Publication No</li> <li>(32) International Publication No</li> <li>(32) International Publication No</li> <li>(33) International Publication No</li> <li>(34) International Publication No</li> <li>(36) International Publication No<!--</th--><th>1)NAIDOO Kubashen Jerome</th></li></ul>	1)NAIDOO Kubashen Jerome
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#### (57) Abstract :

A building system comprising: a building panel comprising first and second outer sheet members an inner sheet member disposed between the first and second outer sheet members and solid insulating material disposed between the first and second outer sheet member; a first track member the first track member and the building panel being arranged such that the panel is engagable along a first side with the first track member and the first track member is connectable to the first and second outer sheet members; a second track member the second track member and the building panel being arranged such that the panel is engagable along a second side with the second track member and the second track member is connectable to the first and second outer sheet members and the inner sheet members.

No. of Pages : 45 No. of Claims : 48

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : SPOONABLE YOGURT PREPARATIONS CONTAINING NON REPLICATING PROBIOTIC MICRO ORGANISMS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:A23C9/123,A61P29/00 :10190923.2 :11/11/2010 :EPO :PCT/EP2011/069863 :10/11/2011 :WO 2012/062868 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)NESTEC S.A. Address of Applicant :Av. Nestl 55 CH 1800 Vevey Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)MERCENIER Annick</li> <li>2)PRIOULT Gunole</li> <li>3)NUTTEN Sophie</li> </ul>
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(57) Abstract :

The present invention relates to the field of spoonable yogurt compositions. In particular the present invention provides spoonable yogurt compositions comprising non replicating probiotic micro organisms. These non replicating probiotic micro organisms may be bioactive heat treated probiotic micro organisms for example. The present invention also relates to health benefits provided by these non replicating probiotic micro organisms.

No. of Pages : 51 No. of Claims : 13

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : COMPOSITION COMPRISING HYDROLYSED PROTEINS AND OLIGOSACCHARIDES FOR TREATING SKIN DISEASES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International</li> <li>Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to</li> </ul>	:NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>NESTEC S.A.</li> <li>Address of Applicant : Avenue Nestl 55 CH 1800 Vevey</li> </ol> </li> <li>Switzerland </li> <li>(72)Name of Inventor : <ol> <li>SPRENGER Norbert</li> </ol> </li> </ul>
Application Number Filing Date	:NA :NA	
(57) Abstract:		

(57) Abstract :

The invention discloses a composition comprising at least one N acetyl lactosamine at least one sialylated oligosaccharide and at least one fucosylated oligosaccharide and a hydrolysate comprising partially and/or extensively hydrolysed proteins for use in the prevention and/or treatment of skin conditions and skin diseases. Preferably said composition is a starter infant formula. Said skin disease is in particular atopic dermatitis.

No. of Pages : 32 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :08/05/2013

(54) Title of the invention : SPORTS FACE GUARD

(51) International classification	:A42B3/20,A42B3/22	(71)Name of Applicant :
(31) Priority Document No	:1101979.1	1)JON HARDY AND CO LIMITED
(32) Priority Date	:04/02/2011	Address of Applicant : Unit 10 Hazeley Enterprise Park
(33) Name of priority country	:U.K.	Twyford SO21 1QA U.K.
(86) International Application No	:PCT/EP2012/051799	(72)Name of Inventor :
Filing Date	:02/02/2012	1)HARDY Jonathan James Ean
(87) International Publication No	:WO 2012/104390	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A sports face guard (1) having a cage type construction of interconnected struts(2 7) and creating an unobstructed viewing aperture (20) proximate to the eyes of a wearer during use comprises a forward transverse sill (2) defining at least one boundary of said viewing aperture. The forward transverse sill is comprised of at least two generally transverse struts (4 5) extending across the front of the face of a wearer during use said transverse sill having a proximal edge (44) and a distal edge (45) wherein a first surface (35) of said sill at said distal edge and a second surface (36) of said sill at said proximal edge are spaced linearly apart and lie approximately along a common viewing axis (60) of a wearer during use. The face guard comprises a sill which presents a reduced profile in the field of view of a wearer while presenting an increased surface for contact with an incoming projectile such as a ball allowing the ball to be impeded and deflected thereby providing a blocking effect of the guard and reducing the chance of injury to a wearer. The guard may be worn in combination with a helmet and may be secured to a helmet.

No. of Pages : 21 No. of Claims : 10

#### (19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ELEVATOR CONTROL SYSTEMS (51) International classification :B66B1/14,B66B5/00,B66B1/34 (71)Name of Applicant : (31) Priority Document No 1)OTIS ELEVATOR COMPANY :NA (32) Priority Date Address of Applicant : Ten Farm Springs Road Farmington :NA Connecticut 06032 U.S.A. (33) Name of priority country :NA (72)Name of Inventor : (86) International Application No: PCT/US2010/062223 **1)HERKEL Peter** Filing Date :28/12/2010 (87) International Publication No :WO 2012/091696 2) **GEWINNER** Juergen (61) Patent of Addition to 3)PFEFFER Axel S. :NA Application Number 4) TEGTMEIER Dirk H. :NA Filing Date 5) **GIANNINI Gianfranco** (62) Divisional to Application 6)MANN Michael :NA Number :NA Filing Date

(57) Abstract :

An elevator control system includes a control power supply a computing core in communication with the control power supply in communication with the computing core and a sleep monitor in communication with the control power supply the computing core and the communication power supply. The sleep monitor is disposed to selectively turn on/off the control power supply and the computing core and the sleep monitor is disposed to selectively change an operating state of the communication power supply to a low voltage state.

No. of Pages : 19 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : ELECTRODE FOR PLASMA TORCH WITH NOVEL ASSEMBLY METHOD AND ENHANCED HEAT TRANSFER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:12/957695 :01/12/2010 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)THE ESAB GROUP INC. Address of Applicant :P.O. Box 100545 Florence SC 29501 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)ASHTEKAR Koustubh D.</li> <li>2)GRIFFIN David C.</li> <li>3)DIEHL Gregory W.</li> <li>4)WIERSEMA Dale T.</li> </ul>
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#### (57) Abstract :

The present invention is related to an electrode for a plasma arc torch the electrode comprising a generally tubular outer wall an end wall and a protrusion. The end wall is joined to a distal end of the outer wall and supports an emissive element in a generally central region. The protrusion extends from the generally central region of the end wall and is configured to connect with an electrode holder by a releasable connection wherein the protrusion is configured such that at least one coolant passage forms between the protrusion and the electrode holder when the electrode is connected with the electrode holder. In some embodiments the releasable connection wherein the protrusion is threaded to releasably connect to a threaded coolant tube of the electrode holder. In other embodiments at least one coolant passage is defined by the threaded connection.

No. of Pages : 37 No. of Claims : 29

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

(57) Abstract :

A blister package (10) and method for manufacturing the blister package include an upper wall member (14) (e.g. front panel) a lower wall member (16) (e.g. backer) and a printing (20) (e.g. print decoration advertising) where the upper wall member is formed to effectively hold an article (12) (e.g. toothbrush razor) preferably by accommodating specific geometry of the article. The lower wall member is preferably formed (e.g. molded thermoformed) after printing from a flat sheet of material (e.g. plastic) to resemble a cylindrical or cone based final shape linearly along or parallel to the lower wall member s longitudinal axis (46). The printing is applied to the flat sheet of material without distortion and appears on the final shaped lower wall member without the appearance of distortion.

No. of Pages : 13 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

#### (51) International classification :B60N2/015,B60N2/36 (71)Name of Applicant : (31) Priority Document No :10 2011 011 570.6 1)KEIPER GMBH & CO. KG (32) Priority Date Address of Applicant :Hertelsbrunnenring 2 67657 :16/02/2011 (33) Name of priority country Kaiserslautern Germany :Germany (86) International Application No :PCT/EP2012/000566 (72)Name of Inventor : **1)TEUFEL Ingo** Filing Date :08/02/2012 (87) International Publication No :WO 2012/110211 2)REIMER Peter (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : LOCKING DEVICE FOR A FOLD OVER BACKREST OF A SEAT

#### (57) Abstract :

The invention relates to a locking device for a fold over backrest of a seat in particular a rear seat in a motor vehicle with a locking housing (2) in which a handle (3) which is pivotable about a pivot axis (4) between a locking position and an unlocking position is arranged by means of which handle a pawl of a locking device can be carried along between a retaining position and an unblocking position. With a blocking bolt (11) which is movable manually by means of a closable lock (15) between a blocking position blocking the handle(3) in the locking position thereof and a release position releasing the handle (3). By means of the handle (3) when the latter is moved from the locking position into the unlocking position a transmission element (7) is driveable displaceably in a guide from a first end position into a second end position wherein the transmission element (7) has a retaining element which is fixedly arranged thereon and upon movement of the handle (3) out of the locking position thereof is movable into a retaining recess of the blocking bolt (11) and prevents the blocking bolt (11) from being able to move from the release position thereof into the blocking position thereof.

No. of Pages : 20 No. of Claims : 10

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : BATTERY DEVICE BATTERY MANAGEMENT SYSTEM AND BATTERY MANAGEMENT METHOD

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:H02J7/00,H01M10/44,H04B3/54 :2010255810 :16/11/2010 :Japan	<ul> <li>(71)Name of Applicant :</li> <li>1)SONY CORPORATION         <ul> <li>Address of Applicant :1 7 1 Konan Minato ku Tokyo 1080075</li> <li>Japan</li> </ul> </li> </ul>
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:PCT/JP2011/075540 :07/11/2011	(72)Name of Inventor : 1)WASHIRO Takanori
No	:WO 2012/066950	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a battery device, a battery management system, and a battery management method which can facilitate management of a battery. A battery device 11 includes a battery 51, an IC chip 53, and a direct-current blocking section 52. The directcurrent power of the battery 51 is outputted via power lines 17, 18. By the IC chip 53, stored battery information is outputted via the power lines 17, 18 by load-modulating an alternating-current signal exchanged via the power lines 17, 18. By the direct-current blocking section 52, the directcurrent power outputted via the power lines 17, 18 is blocked from being inputted to the IC chip 53. A voltage generating section 151 that is connected in parallel with the IC chip 53, and supplies a voltage generated by the alternating-current signal exchanged via the power lines 17, 18 to the IC chip 53 can be provided. The present invention can be applied to an electronic apparatus.

No. of Pages : 82 No. of Claims : 18

(21) Application No.4095/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> </ul> </li> </ul>	:12/944036 :11/11/2010 :U.S.A. :PCT/US2011/060330 :11/11/2011 :WO 2012/065041 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)AVERY DENNISON CORPORATION Address of Applicant :150 N. Orange Grove Blvd. Pasadena CA 91103 U.S.A. </li> <li>(72)Name of Inventor : 1)FORSTER Ian James </li> </ul>
Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (54) Title of the invention : RFID DEVICES AND METHODS FOR MANUFACTURING

(57) Abstract :

A RFID device includes a substrate a conductive element and a RFID chip. The conductive element is coupled to the substrate and defines at least one pathway. The RFID chip includes an integrated circuit a terminal and an electrical lead connecting the integrated circuit and the terminal. The terminal is in electrical communication with the conductive element. The RFID chip is positioned so that a first portion of the RFID chip is positioned above the conductive element and a second portion of the RFID chip is positioned above the at least one pathway. Methods are also provided.

No. of Pages : 28 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul> </li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:B60C11/00,B60C11/03 :1059708 :25/11/2010 :France :PCT/EP2011/070970 :24/11/2011 :WO 2012/069603 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN Address of Applicant :12 cours Sablon F 63000 Clermont Ferrand France</li> <li>2)MICHELIN RECHERCHE ET TECHNIQUE S.A.</li> <li>(72)Name of Inventor :</li> <li>1)BECHON Herv</li> <li>2)FOUCHER Benoit</li> </ul>
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#### (54) Title of the invention : HEAVY TRUCK TIRE FOR A TRAILER VEHICLE

#### (57) Abstract :

The invention relates to a tire (1) intended to equip a trailer type heavy vehicle, wherein said tire (1) includes a car - cass reinforcement (2) on which a cap reinforcement (3) is mounted radially on the outside, said cap reinforcement comprising at least two working plies (3 1, 32), the width Lt of said cap reinforcement being equal to the width of the axially narrowest working ply, a tread (cap) (10) being mounted on said cap reinforcement (3) radially on the outside, and said cap reinforcement being inter - leaved radially between said tread and the cap reinforcement by a sublayer (base) (6), said sublayer extending axially and radially under the entire tread and radially outside the cap reinforcement (3) over a total width at least equal to the width Lt of the cap rein forcement, an equatorial plane axially dividing the tread into an outer half-tread (TE) and an inner half-tread (TI) having the same axial width, the outer half-tread (TE) being intended to be axially positioned toward the outside of a vehicle and the inner half-tread (TI) being intended to be axially positioned toward the inside of a vehicle, said tire being such that the volume occupied by the sublayer radially below the inner half-tread (TI), said additional volume being such that the volume occupied by the sublayer radially below the inner half-tread (TI) is greater than the volume occupied by the sublayer radially below the outer half-tread (TE), and said tire being such that the material constituting the sublayer (6) is a rubber-based composition having a hystrsis lower than the hystrsis of the rubber-based material constituting the tread (10).

No. of Pages : 26 No. of Claims : 7

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METHOD FOR PRODUCTION OF JOINT MEMBER FOR CARBON FIBER COMPOSITE MATERIAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:PCT/JP2011/077886 :25/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)TEIJIN LIMITED Address of Applicant :6 7 Minamihommachi 1 chome Chuo ku Osaka shi Osaka 5410054 Japan (72)Name of Inventor : 1)TAKEUCHI Masaki 2)KANEKO Toru</li></ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	I:NA :NA	

#### (57) Abstract :

A method for producing a joint member between a carbon fiber composite material containing a thermoplastic resin as a matrix and a metal in which a layer containing a triazine thiol derivative is formed on the surface of the metal a thermoplastic resin layer is provided between the layer containing the triazine thiol derivative and the carbon fiber composite material and the thermoplastic resin layer is molten thereby joining the metal to the carbon fiber composite material.

No. of Pages : 28 No. of Claims : 7

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : DEVICES AND FORMULATIONS FOR DETECTING SCREENING AND MONITORING LEVELS OF CERTAIN CONSTITUENTS IN BODILY FLUIDS AND METHOD

#### (57) Abstract :

There is disclosed a device and a method of making a device for conducting a non invasive analysis of a bodily fluid to determine the presence and the level of a certain constituent carried by the bodily fluid. The device includes an indicator formulation capable of changing color in response to exposure to the certain constituent to provide a visible indication of the presence and the level of the certain constituent carried by the bodily fluid. The device provides a carrier substrate of a material having voids establishing a high void volume within the carrier substrate. A chromagen formulation is applied to the carrier substrate to create a chromagen laden carrier member. Then a selected reagent is applied to the chromagen laden carrier member the reagent having a particular constituent specific formulation. The selected reagent then combines with the chromagen formulation thereby establishing the indicator formulation within the carrier substrate in place for reception of a sample of the bodily fluid later placed upon the carrier substrate.

No. of Pages : 21 No. of Claims : 32

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PET FOOD PREPARATIONS CONTAINING PROBIOTIC MICRO ORGANISMS

(31) Priority Document No:101(32) Priority Date:05/(33) Name of priority country:EPC(86) International Application:PC	CT/EP2011/069209 //11/2011 O 2012/059499 A A A	<ul> <li>(71)Name of Applicant :</li> <li>1)NESTEC S.A. Address of Applicant :Av. Nestl 55 CH 1800 Vevey Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)MERCENIER Annick</li> <li>2)PRIOULT Gunole</li> <li>3)NUTTEN Sophie</li> </ul>
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(57) Abstract :

The present invention relates to the field of pet food. In particular the present invention provides pet food compositions comprising non replicating probiotic micro organisms. These non replicating probiotic micro organisms may be bioactive heat treated probiotic micro organisms for example. The present inventions also relates to health benefits provided by these non replicating probiotic micro organisms.

No. of Pages : 58 No. of Claims : 15

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : HYBRID PLANAR OPTOFLUIDIC INTEGRATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International</li> <li>Application No Filing Date</li> <li>(87) International</li> <li>Publication No</li> </ul>	:G01N21/41,G01N35/08,G01N33/483 :61/415467 :19/11/2010 :U.S.A. :PCT/US2011/061463 :18/11/2011 :WO 2012/068499	<ul> <li>(71)Name of Applicant :</li> <li>1)THE REGENTS OF THE UNIVERSITY OF</li> <li>CALIFORNIA <ul> <li>Address of Applicant :1111 Franklin Street Twelfth Floor</li> </ul> </li> <li>Oakland CA 94607 U.S.A.</li> <li>2)BRIGHAM YOUNG UNIVERSITY</li> <li>(72)Name of Inventor : <ul> <li>1)SCHMIDT Holger</li> <li>2)HAWKINS Aaron Roe</li> </ul> </li> </ul>
	:WO 2012/068499 :NA :NA :NA	

#### (57) Abstract :

An optofluidic platform is constructed so as to comprise a vertical integration of optical and fluidic layers. The optical layer enables interaction of light with a fluid for a variety of purposes including particle detection manipulation and analysis. The vertical integration allows layers to be permanently or temporarily attached to each other. Temporary attachments provide the advantage of reusing the same optical layer with different fluidic layers. Most preferably the optical layer comprises antiresonant reflecting optical waveguide (ARROWs). Further a fluidic layer can be configured to act as an interface between the optical layer and other fluidic layers attached thereon. Moreover the fluidic layers can be configured to perform fluidic functions. The optofluidic platform can also comprise a protective layer. As such a liquid solution can be introduced in the optofluidic platform and single particles contained therein can be optically detected with extremely high sensitivity and without the need for advanced microscopy equipment.

No. of Pages : 19 No. of Claims : 53

(21) Application No.4086/DELNP/2013 A

(19) INDIA(22) Date of filing of Application :07/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:G02B6/02	(71)Name of Applicant :
(31) Priority Document No	:61/411017	1)CORNING INCORPORATED
(32) Priority Date	:08/11/2010	Address of Applicant :1 Riverfront Plaza Corning New York
(33) Name of priority country	:U.S.A.	14831 U.S.A.
(86) International Application No	:PCT/US2011/059070	(72)Name of Inventor :
Filing Date	:03/11/2011	1)HOOVER Brett Jason
(87) International Publication No	:WO 2012/064579	2)LI Ming Jun
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : MULTI CORE OPTICAL FIBER RIBBONS AND METHODS FOR MAKING THE SAME

(57) Abstract :

Multi core optical fiber ribbons and methods for making multi core optical fiber ribbons are described herein. In one embodiment a multi core optical fiber ribbon (100) includes at least two core members (102) formed from silica based glass and oriented in parallel with one another in a single plane. Adjacent core members have a center to center spacing = 15 microns and a cross talk between adjacent core members is = 25 dB. In this embodiment each core member is single moded with an index of refraction n and a core diameter d. In an alternative embodiment each core member is multi moded and the center to center spacing between adjacent core members is = 25 microns. A single cladding layer (104) is formed from silica based glass and surrounds and is in direct contact with the core members. The single cladding layer is substantially rectangular in cross section with a thickness = 400 microns and an index of refraction n < n.

No. of Pages : 35 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :07/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SOLID-FUEL-FIRED BURNER AND SOLID-FUEL-FIRED BOILER

(57) Abstract :

A solid-fuel-fired burner that suppresses a high-temperature oxygen remaining region formed at the outer circumference of a flame and that can decrease the amount of NOx eventually produced is provided. A solid-fuel-fired burner (20) that is used in a burner section of a solid-fuel-fired boiler for performing low-NOx combustion separately in the burner section and in an additional-air injection section and that injects powdered solid-fuel and air into a furnace includes a fuel burner (21) having internal flame stabilization and a secondary-air injection port (30) that does not perform flame stabilization, in which the air ratio in the fuel burner (21) is set to 0.85 or more.

No. of Pages : 58 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :10/05/2013

#### (43) Publication Date : 21/11/2014

(54) Title of the invention : FACE SPLIN	E CLUTCH	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:F16H37/02 :61/394635 :19/10/2010 :U.S.A. :PCT/US2011/056636 :18/10/2011 :WO 2012/054427 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>RASZKOWSKI James A.</li> <li>Address of Applicant :8617 Shoal Creek Lane Indianapolis IL</li> </ol> </li> <li>46234 U.S.A.</li> <li>(72)Name of Inventor : <ol> <li>RASZKOWSKI James A.</li> </ol> </li> </ul>

#### (57) Abstract :

A mode shift assembly for a transmission comprises has a first side coupled to a rotational input a second side coupled to a rotational output and an actuator. The actuator acts on the first side to move the first side between a first position in which the first and second engagement surfaces are disengaged and a second position. In the first position rotation between the first and second sides is independent. In the second position the first and second engagement surfaces are engaged such that rotation is transferred from the first side to the second side.

No. of Pages : 28 No. of Claims : 32

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : INHIBITORS OF APOPTOSIS AND USES THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Eiling Date</li> </ul>	:C07K14/47 :PCT/IB2010/003158 :18/11/2010 : :PCT/EP2011/070404 :17/11/2011 :WO 2012/066103 :NA :NA	TECHNIQUES 3)UNIVERSITE DE MONTPELLIER 1 (72)Name of Inventor : 1)BARRERE Stphanie
Number Filing Date (62) Divisional to Application Number	:NA :NA	1)BARRERE Stphane 2)NARGEOT Jo«l 3)LEBLEU Bernard
Filing Date	:NA :NA	4)BOISGUERIN Prisca 5)PIOT Christophe

(57) Abstract :

The invention relates to fragments of the DAXX and FADD proteins that inhibit cell apoptosis in particular cell apoptosis mediated by the Fas receptor. The invention also relates to derivatives of said anti apoptotic fragments conjugates comprising said fragments pharmaceutical compositions comprising said fragments and to the medical applications of said

fragments derivatives conjugates and pharmaceutical compositions thereof in the treatment or prevention of diseases and conditions associated with apoptosis.

No. of Pages : 76 No. of Claims : 20

(21) Application No.4223/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C08F2/32 :2011025014 :08/02/2011 :Japan :PCT/JP2012/051358 :23/01/2012 :WO 2012/108253 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SUMITOMO SEIKA CHEMICALS CO. LTD. Address of Applicant :346 1 Miyanishi Harima cho Kako gun Hyogo 6750145 Japan</li> <li>(72)Name of Inventor :</li> <li>1)HANDA Masayoshi</li> <li>2)UEDA Koji</li> <li>3)KONDO Kimihiko</li> </ul>
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#### (54) Title of the invention : WATER ABSORBING RESIN MANUFACTURING METHOD

(57) Abstract :

The method for manufacturing a water absorbing resin by reversed phase suspension polymerization includes the following: a step (1) in which in a petroleum derived hydrocarbon dispersion medium in the presence of a dispersant a slurry containing primary particles of a polymer is obtained by polymerization through dispersion of a first aqueous solution containing partially neutralized product A of a water soluble unsaturated ethylene monomer having an acid radical in the molecule thereof; and a step (2) in which a slurry wherein the primary particles are agglomerated is obtained by polymerization through addition of a second aqueous solution containing partially neutralized product B of a water soluble unsaturated ethylene monomer having an acid radical in the molecule thereof; and a step (2) in which a slurry wherein the primary particles are agglomerated is obtained by polymerization through addition of a second aqueous solution containing partially neutralized product B of a water soluble unsaturated ethylene monomer having an acid radical in the molecule thereof to the slurry obtained in step (1). The molar degree of neutralization X of partially neutralized product A is set higher than molar degree of neutralization Y of partially neutralized product B and the difference between molar degree of neutralization X and molar degree of neutralization Y is set at 5% or greater. The dispersant used is at least one of a surfactant and a polymeric dispersant. The water absorbing resin manufactured by the present method reduces odor originating in the dispersing medium and odor generated over time after absorption of liquid etc.

No. of Pages : 84 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : USE OF MONASCUS IN ORGANIC ACID PRODUCTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:C12N1/14,C12R1/645 :10290583.3 :28/10/2010 :EPO :PCT/EP2011/068971 :28/10/2011 :WO 2012/055998 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TOTAL RAFFINAGE MARKETING Address of Applicant :24 CRS Michelet F 92800 Puteaux France</li> <li>(72)Name of Inventor :</li> <li>1)WEUSTHUIS Ruud Alexander</li> <li>2)WOLBERT Emil Johan Harald</li> <li>3)SPRINGER Jan</li> <li>4)VAN DER OOST John</li> <li>5)EGGINK Gerrit</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

MonascusThe present invention provides tools and methods for producing organic acids using strains of which are tolerant to high organic acid concentrations at low pH.

No. of Pages : 84 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

(54) The of the invention . WE THOD IT		
(51) International classification	:H01Q3/24,H01Q21/29	(71)Name of Applicant :
(31) Priority Document No	:2010904696	1)LOCATA CORPORATION PTY LTD
(32) Priority Date	:21/10/2010	Address of Applicant :111 Canberra Avenue Griffith Canberra
(33) Name of priority country	:Australia	Australian Capital Territory 2603 Australia
(86) International Application No	:PCT/AU2011/001346	(72)Name of Inventor :
Filing Date	:21/10/2011	1)SMALL David
(87) International Publication No	:WO 2012/051669	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(54) Title of the invention : METHOD AND APPARATUS FOR FORMING A REMOTE BEAM

#### (57) Abstract :

A device for remotely forming a beam at antenna arrays is disclosed the device including: an antenna array having a plurality of spatially distributed elements; a positioning unit device coupled with said antenna array said positioning unit device configured to switch said antenna elements between first and second states in a predetermined sequence wherein in said first state said elements are configured to transmit a positioning signal; and a receiver configured to receive said positioning signal from said antenna array said receiver having a processor for generating a reference signal mixing said positioning signal with a modified reference signal to generate a mixed signal and summing the mixed signal over a predetermined integration period to generate an accumulated signal wherein said reference signal is modified prior to being mixed with said received signal such that said accumulated signal is indicative of the direction and magnitude of the beam of the antenna array.

No. of Pages : 47 No. of Claims : 20

#### (19) INDIA

(22) Date of filing of Application :13/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : ROLLER MILL

(51) International classification	:B02C15/00,B02C15/04,B02C23/02	(71)Name of Applicant : 1)LOESCHE GMBH
(31) Priority Document No	:10 2011 014 592.3	Address of Applicant :Hansaallee 243 40549 D <sup>1</sup> / <sub>4</sub> sseldorf
(32) Priority Date	:21/03/2011	Germany
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No Filing Date	:PCT/EP2012/001162 :15/03/2012	1)KEYSSNER Michael
(87) International Publication No	:WO 2012/126590	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	<sup>h</sup> :NA :NA	

(57) Abstract :

The invention relates to a roller mill, in particular a coal mill, having a feed System which has an integrated screw feeder. The screw feeder is arranged virtually horizontally in the region of a grit cone and has a worm shaft which is guided through the roller mill and along the longitudinal axis thereof, both end sides of which are arranged in each case outside the roller mill and which is mounted at one end by way of a drive device and at the other end in a mounting outside the roller mill. The feed material is supplied to the screw conveyor outside the roller mill and is forcibly conveyed therein up to a trough-side ejection opening above a cone opening in the grit cone, and drops centrally onto the grinding bowl together with coarse grain rejected in the classifier. A uniform distribution of the feed material and improved running smoothness of the roller mill and a saving of energy are achieved, and soiling of the worm shaft is prevented.

No. of Pages : 14 No. of Claims : 10

(21) Application No.4230/DELNP/2013 A

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ELECTRIC SADDLED VEHICLE AND DRIVE DEVICE FOR ELECTRIC VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	o:PCT/JP2011/076393 :16/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)HONDA MOTOR CO. LTD. Address of Applicant :1 1 Minami Aoyama 2 chome Minato ku Tokyo 1078556 Japan</li> <li>(72)Name of Inventor :</li> <li>1)NAKASHIMA Masahiro</li> <li>2)TAKAMURA Toshiaki</li> </ul>
Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

An electric saddled vehicle is provided with a vehicle frame, a drive wheel, a drum brake which brakes the drive wheel, and a swing unit which is pivotably supported by the vehicle frame. The swing unit has: a drive motor configured as a separate unit from the drive wheel; and a reduction mechanism for transmitting power, which is transmitted from the drive motor, to the drive wheel and having a wheel drive section. If one of the left side and the right side relative to the center of the vehicle in the left-right direction is defined as a first side and the other is defined as a second side and if the end surface of the drive wheel which is located on the first side is defined as a first end surface and the reduction mechanism are disposed on the first side, the drum brake is dis posed on the second side, the wheel drive section is disposed in such a man ner that the distance of the wheel drive section to the first end surface of the drive wheel is less than the distance of the wheel drive section to the brake drum of the drive section and the right drive section to the center of the vehicle in the left-right direction, and the brake drum of the drum brake is disposed so that, in a plan view, the brake drum is superposed on the second end surface of the drive wheel.

No. of Pages : 100 No. of Claims : 15

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : AN APPARATUS FOR MONOLITHIC POWER GATING ON AN INTEGRATED CIRCUIT

(51) International classification	:H01L23/50,H01L23/528	(71)Name of Applicant :
(31) Priority Document No	:12/914110	1)ADVANCED MICRO DEVICES INC.
(32) Priority Date	:28/10/2010	Address of Applicant : One AMD Place P.O. Box 3453
(33) Name of priority country	:U.S.A.	Sunnyvale California 94088 U.S.A.
(86) International Application No	:PCT/US2011/057591	(72)Name of Inventor :
Filing Date	:25/10/2011	1)NAFFZIGER Samuel D.
(87) International Publication No	:WO 2012/058189	2)GIESEKE Bruce
(61) Patent of Addition to Application	:NA	3)BEKER Benjamin
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A power gating apparatus includes an integrated circuit package with a first voltage reference plane and a second voltage reference plane and an integrated circuit that includes a circuit block and a switch block. The first and second voltage reference planes may be electrically isolated from one another. The switch block may include a plurality of switches arranged in a ring surrounding the circuit block. The first voltage reference plane may be electrically coupled between an external voltage reference and the plurality of switches and the second voltage reference plane may be electrically coupled between the plurality of switches and the circuit block. The second voltage reference plane may also distribute an electric current throughout the circuit block. In addition each of the switches is configured to interrupt an electrical path between the first reference voltage plane and the circuit block in response to a control signal.

No. of Pages : 15 No. of Claims : 20

(21) Application No.4113/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

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(51) International classification	:G06F1/20	(71)Name of Applicant :
(31) Priority Document No	:12/915361	1)ADVANCED MICRO DEVICES INC.
(32) Priority Date	:29/10/2010	Address of Applicant :One AMD Place P.O. Box 3453
(33) Name of priority country	:U.S.A.	Sunnyvale California 94088 U.S.A.
(86) International Application No	:PCT/US2011/057640	(72)Name of Inventor :
Filing Date	:25/10/2011	1)BRANOVER Alexander
(87) International Publication No	:WO 2012/058202	2)NAFFZIGER Samuel D.
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(54) Title of the invention : METHOD AND APPARATUS FOR THERMAL CONTROL OF PROCESSING NODES

#### (57) Abstract :

An apparatus and method for per node thermal control of processing nodes is disclosed. The apparatus includes a plurality of processing nodes and further includes a power management unit configured to set a first frequency limit for at least one of the plurality of processing nodes responsive to receiving an indication of a first detected temperature greater than a first temperature threshold wherein the first detected temperature is associated with the one of the plurality of processing nodes. The power management unit is further configured to set a second frequency limit for each of the plurality of processing nodes responsive to receiving an indication as second temperature threshold.

No. of Pages : 42 No. of Claims : 30

#### (19) INDIA

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : POLYISOCYANATE BASED BINDER

<ul> <li>(51) International</li> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:PCT/EP2011/070965 :24/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)HUNTSMAN INTERNATIONAL LLC Address of Applicant :500 Huntsman Way Salt Lake City UT 84108 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)LIMERKENS Dominicus</li> <li>2)BROEKAERT Marc</li> <li>3)PRIEMEN Stefan</li> </ul>
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

Aqueous binder composition comprising an organic emulsifiable polyisocyanate an aromatic polyester polyol and a alkali metal salt of a carboxylic acid as trimerisation catalyst and its use for bonding mineral fibre or lignocellulosic material.

No. of Pages : 23 No. of Claims : 19

(21) Application No.4115/DELNP/2013 A

(19) INDIA(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR AMPLIFICATION FREE NUCLEIC ACID DETECTION ON OPTOFLUIDIC CHIPS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:PCT/US2011/061484 :18/11/2011 :WO 2012/068511 :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>THE REGENTS OF THE UNIVERSITY OF</li> </ol> </li> <li>CALIFORNIA <ul> <li>Address of Applicant :1111 Franklin Street Twelfth Floor</li> </ul> </li> <li>Oakland CA 94607 U.S.A. <ul> <li>BRIGHAM YOUNG UNIVERSITY</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>SCHMIDT Holger</li> <li>HAWKINS Aaron Roe</li> </ul> </li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An optofluidic platform is constructed so as to comprise a planar liquid core integrated optical waveguides for specific detection of nucleic acids. Most preferably the optical waveguides comprises antiresonant reflecting optical waveguide (ARROWs). A liquid solution can be prepared and introduced into the optofluidic platform to for optical excitation. The resulting optical signal can be collected at the edges of the optofluidic platform and can be analyzed to determine the existence of a single and/or a specific nucleic acid.

No. of Pages : 16 No. of Claims : 31

(19) INDIA

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : COMPOSITIONS AND METHODS OF TREATING PULMONARY HYPERTENSION

(51) International classification	:A61K31/519	(71)Name of Applicant :
(31) Priority Document No	:61/393529	1)GILEAD SCIENCES INC.
(32) Priority Date	:15/10/2010	Address of Applicant :333 Lakeside Drive Foster City CA
(33) Name of priority country	:U.S.A.	94404 U.S.A.
(86) International Application No	:PCT/US2011/056404	(72)Name of Inventor :
Filing Date	:14/10/2011	1)BELARDINELLI Luiz
(87) International Publication No	:WO 2012/051559	2)GILLIES Hunter Campbell
(61) Patent of Addition to Application	:NA	3)LIANG Faquan
Number	:NA :NA	4)SHRYOCK John
Filing Date	.INA	5)YANG Suya
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided are formulations comprising therapeutically effective amounts of ambrisentan or a pharmaceutically acceptable salt thereof and tadalafil or a pharmaceutically acceptable salt thereof and methods of treating and/or preventing pulmonary hypertension by administration of the formulations.

No. of Pages : 62 No. of Claims : 32

(21) Application No.4161/DELNP/2013 A

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : HYDROCONVERSION MULTI METALLIC CATALYST AND METHOD FOR MAKING THEREOF

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:B01J37/03,B01J37/30,B01J37/20 :61/412765 :11/11/2010 :U.S.A. :PCT/US2011/056645 :18/10/2011 :WO 2012/064467 :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>CHEVRON U.S.A. INC.</li> <li>Address of Applicant :6001 Bollinger Canyon Road San Ramon California 94583 U.S.A.</li> </ol> </li> <li>(72)Name of Inventor : <ol> <li>KUPERMAN Alexander E.</li> <li>MAESEN Theodorus</li> <li>DYKSTRA Dennis</li> <li>WANG Ping</li> <li>UCKUNG Soy</li> </ol> </li> </ul>
11	:NA :NA :NA	

(57) Abstract :

In a process for forming a bulk hydroprocessing catalyst by sulfiding a catalyst precursor made in a co precipitation reaction up to 60% of the metal precursor feeds do not react to form catalyst precursor and end up in the supernatant. In the present disclosure the metals can be recovered via any of chemical precipitation ion exchange electro coagulation adding a precipitant to generate additional catalyst precursor and combinations thereof to generate an effluent stream containing less than 50 mole % of metal ions in at least one of the metal residuals and for at least one of the metal residuals is recovered as a metal precursor feed which can be recycled for use in the co precipitation reaction. The process results in minimal metals in the waste water stream. In one embodiment an effluent stream to waste treatment contains less than 50 ppm metal ions.

No. of Pages : 71 No. of Claims : 163

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : INTEGRATED METHOD AND APPARATUS FOR COMPRESSING AIR AND PRODUCING CARBON DIOXIDE RICH FLUID

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:F02C7/143,C01B31/20,F25J3/06 :1060574 :15/12/2010 :France	(71)Name of Applicant : 1)LAIR LIQUIDE SOCI‰T‰ ANONYME POUR LETUDE ET LEXPLOITATION DES PROC‰D‰S GEORGES CLAUDE
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:PCT/FR2011/052573 :04/11/2011 :WO 2012/080601	Address of Applicant :75 Quai dOrsay F 75007 Paris France (72)Name of Inventor : 1)DAVIDIAN Benoit 2)TRANIER Jean Pierre
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

(57) Abstract :

An apparatus for compressing air and producing a carbon dioxide-rich fluid comprises an air compressor (15), an element (7) for bringing the air bound for the air 10 compressor into contact with water to produce humidified air (3) and cooled water (11), a pipe for sending the humidified compressed air from the air compressor to an installation (27) producing a carbon dioxide-rich gas (29, 37), a carbon dioxide-rich gas 15 compressor (41) for compressing the carbon dioxide-rich gas, at least one heat exchanger (39) upstream of the carbon dioxide-rich gas compressor and pipes for conveying into it water cooled in the contact element and the carbon dioxide-rich gas.

No. of Pages : 17 No. of Claims : 15

(22) Date of filing of Application :09/05/2013

#### (54) Title of the invention : CRYSTALLINE PHARMACEUTICALLY ACTIVE INGREDIENTS

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C07D239/42,A61K31/505,A61P3/06 :P10 00616 :16/11/2010	<ul> <li>(71)Name of Applicant :</li> <li>1)EGIS GYGYSZERGY R NYILV NOSAN MK–D–</li> <li>R‰SZV‰NYT RSAS G</li> <li>Address of Applicant :Keresztri t 30 38 H 1106 Hungary</li> </ul>
(33) Name of priority country	:Hungary	(72)Name of Inventor : 1)MARKOVITS Imre
(86) International Application No Filing Date	:PCT/HU2011/000107 :16/11/2011	2)JUR K Ferenc 3)KOV NYIN‰ LAX Gyrgyi 4)H MORI Csaba
(87) International Publication No	:WO 2012/066365	5)HAVASI Bal;zs 6)SIPOS ‰va
(61) Patent of Addition to Application Number Filing Date	:NA :NA	7)VOLK Bal;zs 8)RUNGE Zsolt 9)FODORN‰ KOCSM R Krisztina
(62) Divisional to Application Number Filing Date	:NA :NA	10)LUK CS Gyula 11)K TAIN‰ FADGYAS Katalin 12)MEZ–V RI M³nika

(57) Abstract :

The present invention is related to crystalline forms of rosuvastatin zinc (2:1) salt. The polymorphs are suitable for use as pharmaceutically active ingredients in the treatment of the diseases of the lipid metabolism including hypercholesterolemia hyperlipidemia dyslipidemia or atherosclerosis.

No. of Pages : 43 No. of Claims : 24

#### (19) INDIA

(22) Date of filing of Application :09/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : ANALYSIS APPARATUS

<ul> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(33) Name of priority country</li> <li>(34) International Application</li> <li>(35) Filing Date</li> <li>(37) International Publication</li> </ul>	S01N2 //62,H01J49/04,H01J49/42 2010243961 29/10/2010 apan PCT/JP2011/006104 51/10/2011 WO 2012/056730 VA NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ATONARP INC.</li> <li>Address of Applicant :16 1 Tenjin cho Hachioji shi Tokyo</li> <li>1920074 Japan</li> <li>(72)Name of Inventor :</li> <li>1)SATO Tomoyoshi</li> <li>2)IMAI Akira</li> </ul>
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(57) Abstract :

There is provided an analyzing apparatus including an irradiation unit irradiating a first point with a laser, a convergence unit causing an analysis target to converge at the first point, and a unit analyzing a sample gas including a substance that has been irradiated with the laser at the first point using an ion mobility sensor. One example of the convergence unit includes a unit causing the analysis target to be captured in a carrier substance in a liquid state; and a discharging unit discharging the carrier substance including the analysis target to the first point.

No. of Pages : 20 No. of Claims : 6

#### (19) INDIA

(22) Date of filing of Application :13/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : USB OUTLET CHARGER

<ul><li>(33) Name of priority country</li><li>(86) International Application</li><li>No</li><li>Filing Date</li></ul>	:2010905218 :25/11/2010 :Australia	<ul> <li>(71)Name of Applicant :</li> <li>1)CLIPSAL AUSTRALIA PTY LTD Address of Applicant :78 Waterloo Road MacQuarie Park NSW 2113 Australia</li> <li>(72)Name of Inventor :</li> <li>1)DE MAN Gerrit</li> </ul>
(87) International Publication No	:WO 2012/068635	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Disclosed is a Universal Serial Bus (USB) charging module for installation with a surface mounted power outlet. The charging module allows convenient and flexible installation in certain new and already installed power outlets to provide a convenient charging facility of devices with USB connection. Also disclosed is a housing for the charging module a charging circuit and a method of installation.

No. of Pages : 35 No. of Claims : 28

(19) INDIA

(22) Date of filing of Application :09/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : ANTENNA DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:PCT/JP2011/006467 :21/11/2011 :WO 2012/073450 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)MITSUBISHI MATERIALS CORPORATION Address of Applicant :3 2 Otemachi 1 chome Chiyoda ku Tokyo 1008117 Japan</li> <li>(72)Name of Inventor :</li> <li>1)YUKIMOTO Shinsuke</li> <li>2)SAITO Ryo</li> </ul>
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(57) Abstract :

Provided is an antenna device that is capable of ensuring sufficient antenna performance by maximally utilizing a limited antenna occupied area. The antenna device is provided with a substrate main body (2); a ground plane (GND) that is formed on the substrate main body; an antenna-occupied area (AOA) that is provided in contact with one side (2a) of the substrate main body; a slit section (S) that is bored in the ground plane so as to extend from this area in the direction opposite to the one side {2a) of the substrate main body; a power feeding pattern (3) that is formed so as to extend into the slit section, provided with a power feeding point at the base end side, and connected with a first passive element (Pi) halfway while the tip end side extends into the antennaoccupied area toward the one side of the substrate main body; an antenna element (AT) of a dielectric antenna that is connected to the tip end of the power feeding pattern and positioned along the one side of the substrate main body; a second passive element (P2) that is connected between the antenna element (AT) and the adjoining ground plane; and a ground connection pattern (5) for connecting

No. of Pages : 32 No. of Claims : 2

(19) INDIA

(22) Date of filing of Application :09/05/2013

#### (43) Publication Date : 21/11/2014

(54) Title of the invention : ANTENNA APPARATUS		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication N</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:2010261786 :24/11/2010 :Japan :PCT/JP2011/006436 :18/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)MITSUBISHI MATERIALS CORPORATION Address of Applicant :3 2 Otemachi 1 chome Chiyoda ku Tokyo 1008117 Japan</li> <li>(72)Name of Inventor :</li> <li>1)YUKIMOTO Shinsuke</li> <li>2)SAITO Ryo</li> </ul>

(57) Abstract :

Provided is an antenna device which is capable of flexibly adjusting multiple resonance frequencies. The antenna device is provided with a substrate main body (2), a ground pattern (GP), a first element (3), a second element (4) and a third element (5). The ground pattern extends in one direction while being connectable to a ground, the first element extends with the first passive element (PI) and the first antenna element (ATI) provided thereon, the second element extends with the tip end thereof connected to a connecting part (C), the third element extends with the second passive element (P2) connected thereto, the first element extends with a gap provided between the first element and each of the second element, the third element, and the ground pattern so as to be able to generate a stray capacitance therebetween, and the ground pattern extends with the tip end thereof provided within a range from a position facing the connecting part (C) to a position facing the first passive element.

No. of Pages : 38 No. of Claims : 5

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : ACCORDION PILL COMPRISING LEVODOPA FOR AN IMPROVED TREATMENT OF PARKINSON S DISEASE SYMPTOMS

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li></ul>	:A61K31/198,A61K9/00,A61P25/16 :61/408985	Address of Applicant :12 Hartom Street P.O.box 45219 91450
(32) Priority Date	:01/11/2010	Jerusalem Israel
(33) Name of priority country	y:U.S.A.	(72)Name of Inventor :
<ul> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(27)</li> </ul>	:PCT/IB2011/002888 :01/11/2011	1)NAVON Nadav 2)KIRMAYER David 3)SHVETZ Julia
(87) International Publication No	<sup>1</sup> :WO 2012/059815	4)KLUEV Elena 5)ABRAMOV Eva
(61) Patent of Addition to Application Number Filing Date	:NA :NA	6)WEISS Zeev 7)CARNI Giora
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The invention provides for the use of an accordion pill comprising levodopa for the treatment of symptoms of Parkinson s disease in a subject in need thereof over a 24 hour period to be administered to the subject in a twice daily administration regimen with an interval of about 8 to about 10 hours between the first dose and the second dose and with an interval of about 14 to about 16 hours between the second dose and the first dose of the following day. The twice daily administration regimen provides a stable blood plasma level of levodopa in the subject after multiple administrations and is effective in treating the symptoms of Parkinson s disease over a 24 hour period.

No. of Pages : 49 No. of Claims : 25

(54) Title of the invention : ANTI HER3 ANTIBODIES AND COMPOSITIONS

(21) Application No.4159/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

#### :C07K16/32,A61K39/395 (71)Name of Applicant : (51) International classification (31) Priority Document No :PA 2010 00988 1)SYMPHOGEN A/S (32) Priority Date Address of Applicant :Elektrovej Building 375 DK 2800 Kgs. :01/11/2010 (33) Name of priority country Lyngby Denmark :Denmark (86) International Application No (72)Name of Inventor : :PCT/IB2011/054835 Filing Date 1)PEDERSEN Mikkel Wandahl :31/10/2011 (87) International Publication No :WO 2012/059858 **2)JACOBSEN Helle** (61) Patent of Addition to Application **3)KOEFOED Klaus** :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The present invention relates to novel therapeutic recombinant antibodies directed against HER3 (ErbB3) as well as compositions comprising mixtures of at least two of said recombinant anti HER3 antibodies and use of the antibodies and antibody compositions for treatment of cancer.

No. of Pages : 128 No. of Claims : 33

(19) INDIA

(22) Date of filing of Application :10/05/2013

(54) Title of the invention : NON METAL TANNING

#### (43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:C14C3/26,C07D251/68 :10014484.9 :11/11/2010 :EPO :PCT/EP2011/005365 :25/10/2011 :WO 2012/062411 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CLARIANT FINANCE (BVI) LIMITED Address of Applicant :Citco Building Wickhams Cay P.O. Box 662 Road Town Tortola British Virgin Islands</li> <li>(72)Name of Inventor :</li> <li>1)REINEKING Claus</li> <li>2)GAMARINO Roberta</li> <li>3)TRIMARCO Licia</li> <li>4)QUAGLIERINI Maurizio</li> <li>5)GISLER Markus</li> </ul>
Number Filing Date	:NA	4)QUAGLIERINI Maurizio 5)GISLER Markus
(62) Divisional to Application Number Filing Date	:NA :NA	6)NUSSER Rainer

(57) Abstract :

Tanned leather skin or pelt is produced by non metal tanning comprising the step of tanning a bated hide skin or pelt with a tanning agent (A) the tanning agent (A) being at least one compound of formula (I) wherein Hal signifies chlorine or fluorine X signifies N or CR Y signifies hydrogen C alkyl C alkyl carbonyl C alkyl sulphonyl or a radical of formula (la) or (lb) R signifies hydrogen or chlorine q is 1 to 10 and M signifies hydrogen or an alkali metal cation or an ammonium cation the ammonium cation being a protonated tertiary amine or a quaternary ammonium cation in a tanning bath the tanning bath having a pH of from 6 to 10 at the beginning of the tanning step.

No. of Pages : 46 No. of Claims : 18

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : PROCESS FOR THE PREPARATION OF ROSUVASTATIN CALCIUM VIA NOVEL AMINE INTERMEDIATE

(57) Abstract :

The present invention relates to novel amine salts of rosuvastatin and its process for the preparation. Moreover the present invention also relates to improved process for the preparation of rosuvastatin calcium employing novel amine salts as an intermediate.

No. of Pages : 32 No. of Claims : 41

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:F27B9/24 :61/435241 :21/01/2011 :U.S.A. :PCT/US2012/021881	<ul> <li>(71)Name of Applicant :</li> <li>1)TP SOLAR INC.</li> <li>Address of Applicant :15944 Downey Avenue Paramount CA</li> <li>90723 U.S.A.</li> <li>(72)Name of Inventor :</li> </ul>
Filing Date (87) International Publication No	:19/01/2012 :WO 2012/100062	1)PARKS Richard W. 2)RAGAY Peter G.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)GARCIA Luis Alejandro Rey
(62) Divisional to Application Number Filing Date	:NA :NA	

## (54) Title of the invention : DUAL INDEPENDENT TRANSPORT SYSTEMS FOR IR CONVEYOR FURNACES AND METHODS OF FIRING THIN WORK PIECES

(57) Abstract :

Multi lane side by side independently driven transport systems particularly useful for transfer on conveyor belts or finger/chains of thin work pieces such as silicon wafers through processing equipment for converting the wafers into solar cells including UV pre treaters dopers dryers diffusion furnaces and metallization furnaces. The inventive multi lane transport systems may employ wire mesh belts having a flying bridge wafer support system comprising longitudinally spaced carrier wire elements that support the wafers at their side edges at only point contacts by means of opposed inwardly inclined downwardly slanted segments or wings. Alternately finger drives comprising spaced apart chains having inwardly projecting fingers may be used for transport of the wafers by side edge contact. Friction or sprocket drives having tensioner assemblies associated therewith are used to move the transport belts or finger chains through the furnace zones. Each lane may be independently controlled to provide unique thermal profiles along their processing paths.

No. of Pages : 30 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:A01D45/00 :12/914905 :28/10/2010 :U.S.A. :PCT/US2011/057915 :26/10/2011	2)ALBARRAN Serafin
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:WO 2012/058329 :NA :NA :NA :NA	3)BASCOU Richard 4)CASTILLO Dennis J. 5)DAVIS Frank E. 6)FIGUEROA Ignacio R. 7)MACHUCA Raul 8)NASH Kevin 9)ROMAN Jose

#### (54) Title of the invention : MECHANICAL PRODUCE HARVESTER

(57) Abstract :

A mechanical harvester for harvesting a produce with a stem/core planted in a field is provided. The mechanical harvester includes a chassis and a cutting device and a transport assembly connected to the chassis. The cutting device is configured to cut the stem/core of the produce. The transport assembly is configured to transport the produce cut by the cutting device. The transport assembly includes a movable first belt and a movable second belt. The movable first belt includes a first set of produce grippers and the movable second belt includes a second set of produce grippers. When the produce cut by the cutting device is held between the first set and second set of produce grippers a portion of the first set of produce grippers opposes a portion of the second set of produce grippers. The opposing produce grippers are configured to compress and exert a force on the produce to hold the produce between the movable first and second belts.

No. of Pages : 25 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : METHODS (	OF TREATING CANCER	R
<ul> <li>(54) The of the invention : METHODS (</li> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:G01N33/574 :61/413275 :12/11/2010 :U.S.A.	<ul> <li>(71)Name of Applicant : <ol> <li>ENDOCYTE INC.</li> <li>Address of Applicant :3000 Kent Avenue West Lafayette IN</li> </ol> </li> <li>47906 U.S.A.</li> <li>(72)Name of Inventor : <ol> <li>IREDDY Joseph Anand</li> <li>LEAMON Christopher Paul</li> </ol> </li> </ul>

(57) Abstract :

Described are methods and compositions for treating epithelial tumors with a folate vinca conjugate in combination with at least one other chemotherapeutic agent in which the tumors include ovarian endometrial or non small cell lung cancer tumors including platinum resistant ovarian tumors and platinum sensitive ovarian tumors.

No. of Pages : 109 No. of Claims : 30

(21) Application No.4219/DELNP/2013 A

(19) INDIA(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : IMMUNOSTIMULATORY OLIGONUCLEOTIDES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul> </li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:61/414194 :16/11/2010	<ul> <li>(71)Name of Applicant :</li> <li>1)SELECTA BIOSCIENCES INC. Address of Applicant :480 Arsenal Street Building One Watertown Massachusetts 02472 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)LIPFORD Grayson B.</li> <li>2)FRASER Christopher</li> </ul>
Filing Date	:NA	

(57) Abstract :

Compositions that include immunostimulatory nucleic acids are disclosed along with the use of such compositions to induce immune responses.

No. of Pages : 64 No. of Claims : 30

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:A63B21/00	(71)Name of Applicant :
(31) Priority Document No	:12/909746	1)ARGO MEDICAL TECHNOLOGIES LTD.
(32) Priority Date	:21/10/2010	Address of Applicant :Kochav Yokneam Building Floor 6
(33) Name of priority country	:U.S.A.	P.O.B 161 20692 Yokneam Illit Israel
(86) International Application No	:PCT/IL2011/000799	(72)Name of Inventor :
Filing Date	:10/10/2011	1)GOFFER Amit
(87) International Publication No	:WO 2012/052988	2)TAMARI Oren
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : LOCOMOTION ASSISTING APPARATUS WITH INTEGRATED TILT SENSOR

(57) Abstract :

A locomotion assisting exoskeleton device includes a plurality of braces including a trunk support for affixing to the part of the torso of a person and leg segment braces each leg segment brace for connecting to a section of a leg of the person. The device further includes at least one motorized joint for connecting two of the braces and for providing relative angular movement between the two braces. The device includes at least one tilt sensor mounted on the exoskeleton device for sensing a tilt of the exoskeleton and a controller for receiving sensed signals from the tilt sensor and programmed with an algorithm with instructions for actuating the motorized joints in accordance with the sensed signals.

No. of Pages : 20 No. of Claims : 9

(54) Title of the invention : LIGHT EMITTING DEVICES AND METHODS

(21) Application No.4252/DELNP/2013 A

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:H01L33/48,H01L33/62	(71)Name of Applicant :
(31) Priority Document No	:61/416184	1)CREE INC.
(32) Priority Date	:22/11/2010	Address of Applicant :4600 Silicon Drive Durham NC 27703
(33) Name of priority country	:U.S.A.	8475 U.S.A.
(86) International Application No	:PCT/US2011/058603	(72)Name of Inventor :
Filing Date	:31/10/2011	1)HUSSELL Christopher P.
(87) International Publication No	:WO 2012/071139	2)ANDREWS Peter Scott
(61) Patent of Addition to Application	:NA	3)REIHERZER Jesse Colin
Number	:NA :NA	4)EMERSON David T.
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Light emitting devices and methods are disclosed. In one embodiment a light emitting device can include a substrate and a plurality of light emitting diodes (LEDs) disposed over the substrate in patterned arrays. The arrays can include one or more patterns of LEDs. A light emitting device can further include a retention material disposed about the array of LEDs. In one aspect the retention material can be dispensed.

No. of Pages : 62 No. of Claims : 41

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DEPLOYMENT OF SERVICES ON A SET OF REAL OBJECTS WITH AUTOMATIC MATCHING (51) International classification :H04L12/28 (71)Name of Applicant : (31) Priority Document No **1)ALCATEL LUCENT** :1150178 (32) Priority Date Address of Applicant :3 avenue Octave Grard F 75007 Paris :10/01/2011 (33) Name of priority country :France France (86) International Application No :PCT/EP2011/074218 (72)Name of Inventor : Filing Date :29/12/2011 1)PASTOR Alain (87) International Publication No :WO 2012/095267 2)LU Monique (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract :

A device for deploying a service onto an environment s set of real objects (Obj1 Obj2 Obj3) comprising means of interaction (T TC) with a user (U) in order to select said service from among a set of available services each available service being associated with points of interface means of storing representations (OWE1 OWE2 OWE3) each representation being associated with a given object from among that set and exhibiting associations between available operations and possible states for the given object processing means (SM) for carrying out at least one match between a point of interface associated with the service and at least one available operation contained within the representation of a real object and associated with its current state And activation means (LM) for deploying the at least one match by connecting the service and the real object.

No. of Pages : 28 No. of Claims : 10

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : PHOSPHONIUM IONOMERS COMPRISING PENDANT VINYL GROUPS AND PROCESSES FOR PREPARING SAME

<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C08F8/40,C08F210/12,C08J3/24 :61/416862 :24/11/2010	1)LANXESS INC. Address of Applicant :1265 Vidal Street South Sarnia Ontario
<ul><li>(33) Name of priority country</li><li>(86) International Application</li></ul>	:U.S.A.	N7T 7M2 Canada (72) <b>Name of Inventor :</b>
No Filing Date	:PCT/CA2011/001297 :24/11/2011	1)DAVIDSON Gregory J.E. 2)ADKINSON Dana K.
(87) International Publication No	:WO 2012/083419	3)MALMBERG Sean M. 4)FERRARI Lorenzo
(61) Patent of Addition to Application Number Filing Date	:NA :NA	5)SIEGERS Conrad 6)CHADDER Sarah J.
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to ionomers comprising a reaction product of the reaction betweeen a halogenated isoolefin copolymer and at least one phosphorus based nucleophile comprising at least one pendant vinyl group. The present invention also relates to a method of preparing and curing these ionomers.

No. of Pages : 44 No. of Claims : 44

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : MULTI MATERIAL STRUCTURE AND FORMING OF A LUGGAGE CASE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:B29C51/14,A45C5/02,A45C5/03 :61/408399 :29/10/2010 :U.S.A. :PCT/EP2011/069066 :28/10/2011 :WO 2012/056035 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SAMSONITE IP HOLDINGS S.A.R.L. Address of Applicant :13 15 Avenue de la Libert L 1931 Luxembourg</li> <li>(72)Name of Inventor :</li> <li>1)MEERSSCHAERT Reinhard</li> </ul>
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(57) Abstract :

A luggage case shell may be formed in a molding step. The luggage case shell may including an outer layer formed from a softer material and a skeletal frame formed from a harder material. The skeletal frame may support the outer layer. A base frame may be joined to the outer layer and the skeletal frame. The base frame may support a telescoping handle and wheels. A foam layer may be positioned between the skeletal frame and the outer layer. Inner surfaces of the skeletal frame and the foam layer may be substantially co planar. The outer layer and the skeletal frame may be joined in a pressing or molding operation. During the pressing or molding operation the shell may also be shaped. The base frame or the foam layer may also be joined to the outer layer and the skeletal in the pressing or molding operation.

No. of Pages : 37 No. of Claims : 31

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : MOLD TOOL SYSTEM INCLUDING BODY HAVING A VARIABLE HEAT TRANSFER PROPERTY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B29C45/74 :61/431880 :12/01/2011 :U.S.A. :PCT/US2012/020397 :06/01/2012 :WO 2012/096831 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)HUSKY INJECTION MOLDING SYSTEMS LTD Address of Applicant :500 Queen Street South Bolton Ontario L7E 5S5 Canada</li> <li>(72)Name of Inventor :</li> <li>1)JENKO Edward Joseph</li> <li>2)HALL Douglas Oliver</li> </ul>
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(57) Abstract :

A mold tool system (100) comprising a body (102) defining a melt transfer channel (104). The body (102) has a variable heat transfer property.

No. of Pages : 17 No. of Claims : 6

(21) Application No.4259/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:A47B57/40	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SCHOLZ Gottfried
(32) Priority Date	:NA	Address of Applicant :3 rue des Vergers F 68480 Biedertha
(33) Name of priority country	:NA	France
(86) International Application No	:PCT/EP2011/050001	(72)Name of Inventor :
Filing Date	:03/01/2011	1)SCHOLZ Gottfried
(87) International Publication No	:WO 2012/092955	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (54) Title of the invention : STABILIZER SHOE FOR A RACK FOR SUPPORTING OBJECTS

(57) Abstract :

The invention relates to a stabilizer shoe (13) for a rack (1) for supporting objects said rack having vertical longitudinal posts (2) having grid like holes (7) at the corner points of the rack. A crossbeam (8) provided with suspension hooks (12) is hooked into the vertical longitudinal posts wherein the crossbeam has a preloaded accommodating pocket (10) which is open in the upward direction and in which one or more compartment bottoms (3) are retained in a self clamping manner. The stabilizer shoe (13) is designed as a separate one piece component and is substantially L shaped. The one leg (14) is flat and is inserted between the longitudinal post (2) and the crossbeam (8). The other leg (15) has a right angled bend (17) on each of the longitudinal sides thereof opposite each other and thus forms a U shaped profiled element (18) into which the longitudinal outer face (4) of a compartment bottom (3) is inserted.

No. of Pages : 19 No. of Claims : 6

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : CELL CULTURE MEDIUM AND PROCESS FOR PROTEIN EXPRESSION SAID MEDIUM AND PROCESS COMPRISING A PAM INHIBITOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07K16/00,C12N5/00 :10190532.1 :09/11/2010 :EPO :PCT/EP2011/069756 :09/11/2011 :WO 2012/062810 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SANDOZ GMBH Address of Applicant :Biochemiestr. 10 A 6250 Kundl/Tirol Austria</li> <li>(72)Name of Inventor :</li> <li>1)SONDEREGGER Corinna</li> <li>2)SCHMUTZHARD Julia</li> <li>3)HEEL Christine</li> <li>4)STANGLER Thomas</li> </ul>
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(57) Abstract :

The present invention is related to a cell culture medium for the expression of a protein which medium comprises a PAM inhibitor or a physiological equivalent thereof and to a cell culture process for the expression of a protein in which process a PAM inhibitor or a physiological equivalent thereof is used.

No. of Pages : 24 No. of Claims : 10

(21) Application No.4261/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METHOD FOR SEPARATING GAS AND LIQUID AND CYCLONE SEPARATORS THEREFORE

(51) International classification	:B04C5/103,B04C5/181	(71)Name of Applicant :
(31) Priority Document No	:61/410002	1)AKER PROCESS SYSTEMS AS
(32) Priority Date	:04/11/2010	Address of Applicant : P.O. Box 403 N 1327 Lysaker Norway
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/EP2011/069240	1)MOEN Kolbj,rn
Filing Date	:02/11/2011	2)BJ <sup>-</sup> RN Kristian Melby
(87) International Publication No	:WO 2012/059514	3)HEGGELUND Astrid
(61) Patent of Addition to Application	:NA	4)VINGELVEN Geir
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) 11 / /		•

(57) Abstract :

Disclosed is a cyclone separator for separating a fluid into a gas phase and a liquid phase which comprises: a vertically oriented vessel with cylindrical symmetry and which has a gas phase outlet at the upper end of the vessel and a liquid phase outlet at the lower end of the vessel at least one tangentially oriented fluid inlet at the upper end below the gas phase outlet of the vessel able to form a helical liquid flow down along the internal wall of the vessel a liquid extractor extracting liquid through the liquid phase outlet at a rate which forms a bulk liquid phase at the lower end of the vessel with a relatively constant height level of the bulk liquid gas interphase a gas extractor extracting gas through the gas phase outlet wherein the cyclone separator comprises at least one flow velocity deflector located at a level in proximity of the bulk liquid gas interphase which changes the vertical velocity component of a liquid film travelling down the internal wall of the vessel to a horizontally oriented velocity component. A method of fluid separation is also disclosed.

No. of Pages : 22 No. of Claims : 16

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD OF OPERATING A MOBILE CONTROL UNIT OF A HOME AUTOMATION INSTALLATION

#### (57) Abstract :

Method of operating a mobile control unit intended to form part of a home-automation installation comprising elements including items of equipment fixed in a building, the elements of the installation communicating over a home-automation network, each element being furnished with an identifier which is specific to it and with an authentication key, termed common key, identical for all the elements of the home-automation network and authenticating an elements membership to the homeautomation network, characterized in that it comprises: - a step of locating the mobile control unit with respect to a contour containing the elements of the home-automation installation, the mobile unit comprising a means of network linking to the home-automation network, - a step of automatic invalidation of the common key contained in the mobile control unit in the case where the mobile control unit is situated outside the contour.

No. of Pages : 33 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : SUBSEA AUTONOMOUS DISPERSANT INJECTION SYSTEM AND METHODS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> </ul>	:E21B43/01,B65D88/78 :61/392443 :12/10/2010 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)BP CORPORATION NORTH AMERICA INC. Address of Applicant :501 Westlake Park Boulevard Houston TX 77079 U.S.A.</li> </ul>
(86) International Application No Filing Date	:PCT/US2011/055744 :11/10/2011	2)BP EXPLORATION OPERATING COMPANY LIMITED
(87) International Publication No	:WO 2012/051168	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)OPENSHAW Graham 2)REEVES Harold
Filing Date	:NA	3)HUGHES John D.
(62) Divisional to Application Number Filing Date	:NA :NA	4)CHILTON Pat 5)ROGERS Jon

(57) Abstract :

A system for autonomously supplying a chemical dispersant to a subsea hydrocarbon discharge site which comprises a subsea storage vessel configured to store the chemical dispersant subsea is described herein. The storage vessel includes a dispersant outlet in fluid communication with the subsea hydrocarbon discharge site.

No. of Pages : 32 No. of Claims : 25

(22) Date of filing of Application :07/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : COMBINATION THERAPY FOR THE TREATMENT OF DEPRESSION AND OTHER NON INFECTIOUS DISEASES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> <li>(87) International Publication</li> </ul> </li> <li>No <ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Data</li> </ul> </li> </ul>	:PCT/AU2011/001275 :05/10/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)EAGLEPHARMA PTY LTD Address of Applicant :9 Ekala Street Mountain Creek Queensland 4557 Australia (72)Name of Inventor : 1)TURNER Paul</li></ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract :

The invention relates to methods uses and compositions for treating non infectious diseases with a therapeutically effective amount of a pharmaceutical composition comprising methylsulfonylmethane glucosamine L glycine and vitamin B (or a derivative of any one thereof).

No. of Pages : 44 No. of Claims : 39

(21) Application No.4073/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/05/2013

(43) Publication Date : 21/11/2014

#### (51) International classification :A61B17/15 (71)Name of Applicant : (31) Priority Document No :1019492.6 **1)DEPUY (IRELAND)** (32) Priority Date Address of Applicant :Loughbeg Ringaskiddy County Cork :18/11/2010 (33) Name of priority country :U.K. Ireland (86) International Application No :PCT/GB2011/052172 (72)Name of Inventor : Filing Date :08/11/2011 1)BOOTH Kevin (87) International Publication No :WO 2012/066305 2)FENTON Gary (61) Patent of Addition to Application **3)VERTERAMO Alberto** :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : SURGICAL INSTRUMENT SYSTEM SURGICAL ALIGNMENT GUIDE AND SURGICAL ROD

### (57) Abstract :

A surgical instrument system is described which comprises an alignment guide (6 100) comprising a body section having a through bore (50) defining a longitudinal axis (122); and a rod (40) comprising a cylindrical member (2) for insertion into the through bore; and a restraining system (46 52 48 94) for preventing relative movement of the alignment guide and rod along the longitudinal axis when the cylindrical member is inserted into the through bore and the alignment guide is located towards the proximal end of the rod. The restraining system may comprise a resilient element (46) and a recess (52) configured to engage the resilient element. In a preferred embodiment a resilient member is disposed on the surface of the rod. Such a system allows the alignment guide to be restrained towards the proximal end of the rod so that the rod can be inserted to a patient using one hand rather than requiring two hands (one to secure the alignment guide relative to the rod and one to insert the rod).

No. of Pages : 44 No. of Claims : 20

(22) Date of filing of Application :07/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : ANGULAR ADJUSTMENT MECHANISM SURGICAL ALIGNMENT GUIDE AND SURGICAL **INSTRUMENT ASSEMBLY**

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:A61B17/15 :1019490.0 :18/11/2010 :U.K. :PCT/GB2011/052173 :08/11/2011 :WO 2012/066306 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)DEPUY (IRELAND) <ul> <li>Address of Applicant :Loughbeg Ringaskiddy County Cork</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)BEEDALL Duncan</li> <li>2)BOOTH Kevin</li> <li>3)FENTON Gary</li> <li>4)VERTERAMO Alberto</li> </ul> </li> </ul>
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#### (57) Abstract :

An angular adjustment mechanism for a surgical instrument is described. The mechanism comprises an adjustment member (102) configured for rotation about a longitudinal axis (122) the adjustment member comprising a plurality of pairs of facets (134) arranged about the longitudinal axis. Each of the plurality of pairs of facets defines a respective angled axis (148B 148C) at an angle (150B 150C) relative to the longitudinal axis. A pivoting member (104) is arranged to pivot about a pivot axis perpendicular to the longitudinal axis and comprises a recess (128) for receiving the adjustment member and engaging one pair of the plurality of pairs of facets. This provides an angular adjustment mechanism in which facets on the outside of the adjustment member engage corresponding surfaces in a recess on a pivoting member. The use of facets provides a secure connection while allowing a greater degree of angular adjustment and providing a further benefit of simple operation.

No. of Pages : 44 No. of Claims : 13

(21) Application No.4224/DELNP/2013 A

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : AUTOMATIC MONITORING OF INSECT POPULATIONS

	<ul> <li>(71)Name of Applicant :</li> <li>1)PURDUE RESEARCH FOUNDATION <ul> <li>Address of Applicant :1281 Win Hentschel Blvd. West</li> <li>Lafayette IN 47906 4182 U.S.A.</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)PARK Johnny</li> <li>2)HOLGUIN LONDONO German Andres</li> <li>3)MEDEIROS Henry Ponti</li> </ul> </li> </ul>
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(57) Abstract :

Illustrative embodiments of integrated pest management (IPM) systems (10) and electronic insect monitoring devices (EIMDs) (12) are disclosed. In some embodiments the EIMDs (12) may each comprise a lure (34) for attracting at least one target insect species one or more sensors (32) that generate one or more output signals in response to an insect (56) approaching the lure (34) and an electronic controller (44) configured to determine if the insect (56) approaching the lure (34) belongs to the at least one target insect species using the one or more output signals. In some embodiments the IPM system (10) may comprise a plurality of EIMDs (12) configured to communicate over a wireless network shared by the plurality of EIMDs (12).

No. of Pages : 45 No. of Claims : 28

(21) Application No.4225/DELNP/2013 A

(19) INDIA(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:G06F17/30	(71)Name of Applicant :
(31) Priority Document No	:12/956066	1)ALCATEL LUCENT
(32) Priority Date	:30/11/2010	Address of Applicant :3 avenue Octave Grard F 75007 Paris
(33) Name of priority country	:U.S.A.	France
(86) International Application No	:PCT/US2011/059093	(72)Name of Inventor :
Filing Date	:03/11/2011	1)WHITE Christopher A.
(87) International Publication No	:WO 2012/074661	2)JONES Christopher D.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11A	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) 41		1

### (54) Title of the invention : ENABLING PREDICTIVE WEB BROWSING

(57) Abstract :

A system and method for determining and displaying in a predictive manner relevant next clicks based upon historical web usage patterns of previous visitors (the browsing user and/or other users) to referring web pages. In one embodiment identification of one or more links selected by previous visitors on a plurality of referring web pages is stored in a database. When the browsing user initiates a request to view a referring web page for which one or more links exist in the database the appearance of those links on the referring web page is altered to suggest those links to the browsing user. Thus the browsing user is given suggestions as to the most probable path (based upon his/her own history and/or the history of others) through each referring web page for which one or more links are stored in the database thereby streamlining the browsing process.

No. of Pages : 22 No. of Claims : 10

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : ARRANGEMENT AND METHOD FOR CONVERTING THERMAL ENERGY TO MECHANICAL ENERGY

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:F02G5/04,F01K23/06,F01N5/02 :10512705 :01/12/2010	<ul> <li>(71)Name of Applicant :</li> <li>1)SCANIA CV AB</li> <li>Address of Applicant :S 151 87 Sdertlje Sweden</li> </ul>
(33) Name of priority country	:Sweden	(72)Name of Inventor :
(86) International Application No Filing Date	:PCT/SE2011/051398 :22/11/2011	1)HALL Ola
(87) International Publication No.	o:WO 2012/074456	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to an arrangement and a method for converting thermal energy to mechanical energy. The arrangement comprises a line circuit (3) circulation means (4) for circulating a zeotropic refrigerant mixture in the line circuit (3) an evaporator (6) in which the refrigerant mixture is intended to be vaporised by a heat source (7) a turbine (9) adapted to being driven by the vaporised refrigerant mixture and a condenser (12) in which the refrigerant mixture is intended to be cooled so that it condenses. The arrangement comprises control means adapted to assessing whether the refrigerant mixture does not become fully vaporised in the evaporator (6) and when such is the case to leading the incompletely vaporised refrigerant mixture leaving the evaporator to a separating device (14) in which the portion of the refrigerant mixture which is in liquid form is separated from the portion of the refrigerant mixture which is in gaseous form after which only the gaseous portion of the refrigerant mixture proceeds towards the turbine in the line circuit (3).

No. of Pages : 19 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:F01N13/18,F01N3/021	(71)Name of Applicant :
(31) Priority Document No	:1051281-2	1)SCANIA CV AB
(32) Priority Date	:03/12/2010	Address of Applicant :S 151 87 Sdertlje Sweden
(33) Name of priority country	:Sweden	(72)Name of Inventor :
(86) International Application No	:PCT/SE2011/051416	1)BUCKSCH Ragnar
Filing Date	:24/11/2011	2)GRANQVIST Gran
(87) International Publication No	:WO 2012/074459	
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

(54) Title of the invention : INSERT HOLDER AND POST TREATMENT UNIT FOR EXHAUST GASES

### (57) Abstract :

Insert (50) for a holder (22) in a post treatment unit (10) for exhaust gases of a combustion engine comprising a socket (52) for a treatment component (70) intended to have flowing through it the exhaust gases which are to be treated connecting means (54) for holding the insert (50) in position in the holder (22) and sealing means (82) for gastight closure of the socket (52) relative to the holder (22). According to the invention said sealing means has a sealing ring (82) on the socket (52) for cooperation in self centering seat engagement with an opposite sealing ring (84) in the holder.

No. of Pages : 15 No. of Claims : 8

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : PROCESS FOR THE PRODUCTION OF FURFURAL FROM PENTOSES AND/OR WATER SOLUBLE PENTOSANS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:2005588 :27/10/2010 :Netherlands :PCT/NL2011/050730 :26/10/2011 :WO 2012/057625 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TECHNISCHE UNIVERSITEIT DELFT Address of Applicant :Stevinweg 1 NL 2628 CN Delft Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)DE JONG, WIEBREN</li> <li>2)MARCOTULLIO Gianluca</li> </ul>
Filing Date	:NA	

(57) Abstract :

The invention is directed to a process for the production of furfural from pentoses and/or water soluble pentosans said process comprising converting the said pentoses and/or water soluble pentosans in aqueous solution in a first step to furfural and in a second step feeding the aqueous solution containing furfural obtained in the first step to the top of a distillation column to produce an aqueous liquid downflow which column is heated at the bottom part thereof using at least one reboiler to produce an upflow steam flow recovering a water and furfural containing vapour product stream from the top of the said column compressing the said vapour flow and condensing it on the hot side of the reboiler at the bottom of the said column to produce sufficient steam in the said bottom part of the column to produce the said upflow steam flow and to recover an aqueous furfural containing solution as the condensate in the reboiler.

No. of Pages : 15 No. of Claims : 15

### (19) INDIA

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ADJUSTMENT DEVICE FOR ADJUSTING AN ANGLE OF INCIDENCE OF A ROTOR BLADE OF A WIND POWER PLANT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F03D7/02 :10 2010 052 272.4 :23/11/2010 :Germany :PCT/EP2011/070800 :23/11/2011 :WO 2012/069532 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)WOBBEN PROPERTIES GMBH Address of Applicant :Dreekamp 5 26605 Aurich Germany (72)Name of Inventor :</li> <li>1)EDEN Georg</li> </ul>
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### (57) Abstract :

The invention concerns an adjusting device for adjusting the pitch angle of a rotor blade of a wind power installation including an adjusting motor for moving the rotor blade through the pitch angle, an actuating unit for actuating the adjusting motor with electric current, wherein the actuating unit is connected to an electric power supply network, and an emergency power supply device for supplying and actuating the adjusting motor with electric current in the event of a failure of the electric power supply network, wherein the emergency power supply device has an electric storage means for storing electric energy to provide the electric current for actuation of the adjusting motor and wherein the actuating unit is adapted to charge up the electric storage means of the emergency power supply device with electric energy.

No. of Pages : 16 No. of Claims : 9

(21) Application No.4066/DELNP/2013 A

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : ABSORBENT ARTICLE WITH TEAR RESISTANT FILM

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:A61F13/49,C08L53/02,C08J5/18 :13/026563 :14/02/2011 :U.S.A. :PCT/US2012/024986 :14/02/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)THE PROCTER &amp; GAMBLE COMPANY Address of Applicant :One Procter &amp; Gamble Plaza Cincinnati Ohio 45202 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)MANSFIELD Todd Leon</li> </ul>
Filing Date (87) International Publication No	:WO 2012/112501	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A disposable absorbent article that includes an elastic film material. The elastic film resists the growth of a tear and include an SEEPS block copolymer having a T of between about 10°C and about 20°C. The film has a time to fail of greater than 1 hour.

No. of Pages : 32 No. of Claims : 15

(21) Application No.4067/DELNP/2013 A

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : WATER QUALITY MONITORING APPARATUS

Application Number       :NA         Filing Date       :NA         (62) Divisional to Application       :NA         Number       :NA         Filing Date       :NA	Filing Date (62) Divisional to Application Number	:PCT/JP2011/005821 :18/10/2011 :WO 2012/053193 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)MIKASA SHOJI CO. LTD. Address of Applicant :2 4 12 Shimamachi Chuo ku Osaka shi Osaka 5400034 Japan</li> <li>2)ATONARP INC.</li> <li>(72)Name of Inventor :</li> <li>1)NAKAMURA Kozaburo</li> <li>2)MURTHY Prakash Sreedhar</li> </ul>
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(57) Abstract :

A water quality monitoring apparatus is provided having an air quality analysis unit for detecting using an ion mobil ity sensor the air quality in a region at least partially enclosed by a wall and a boundary surface with the water the quality of which is to be monitored, and an alarm unit for out-putting a signal indicating an abnormality when an air quality pattern obtained from the air quality analysis unit is outside of an ac ceptable range for an air quality pattern for the air making contact with the water to be monitored. This water quality monitoring ap paratus can indirectly yet precisely monitor the water quality of, for example, drinking water inside a water tank by detecting using an ion mobility sensor the quality of the air making contact with the water.

No. of Pages : 33 No. of Claims : 16

(21) Application No.4068/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : A2A ANTAGONISTS AS COGNITION AND MOTOR FUNCTION ENHANCERS :A61K9/00 (51) International classification (71)Name of Applicant : (31) Priority Document No :PCT/US2010/055681 **1)BIOTIE THERAPIES INC.** (32) Priority Date Address of Applicant :601 Gateway Blvd. Suite 1200 South :05/11/2010 (33) Name of priority country San Francisco CA 94080 U.S.A. :U.S.A. (86) International Application No :PCT/US2011/059466 (72)Name of Inventor : 1)BANDAK Stephen I. Filing Date :04/11/2011 (87) International Publication No :WO 2012/061787 2)BLACK Kevin J. (61) Patent of Addition to Application 3)CAMPBELL Meghan C. :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Methods are described for inducing cognition and motor function enhancement in patients suffering from Parkinson s disease by administering an effective amount of an Adenosine 2a antagonist. The Adenosine 2a antagonist can optionally be administered in combination with a dopamine precursor such as levodopa or a dopamine receptor agonist

No. of Pages : 19 No. of Claims : 30

(19) INDIA

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : BRAZABLE COMPONENT AND HEAT EXCHANGER COMPRISING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(34) Priority Date</li> <li>(35) Priority Date</li> <li>(36) International Application No</li> <li>(37) International Publication No</li> <li>(37) International Publication No</li> <li>(37) International Publication No</li> <li>(37) International Publication No</li> <li>(37) Priority Date</li> <li>(38) Name of Priority Country</li> <li>(39) Priority Country</li> <li>(31) Priority Date</li> <li>(31) Priority Date</li> <li>(31) Priority Date</li> <li>(31) Priority Date</li> <li>(32) Priority Date</li> <li>(33) Name of Priority Country</li> <li>(31) Priority Date</li> <li>(32) Priority Date</li> <li>(33) Priority Date</li> <li>(34) Priority Date</li> <li>(35) Priority Date</li> <li>(36) Priority Date</li> <li>(36) Priority Date</li> <li>(37) Priority Date</li> <li>(36) Priority Date</li> <li>(36) Priority Date</li> <li>(36) Priority Date</li> <li>(37) Priority Date</li> <li>(36) Priority Date</li> <li>(36) Priority Date</li> <li>(36) Priority Date</li> <li>(36) Priority Date<!--</th--><th>78320 Le Mesnil Saint Denis France011/07043411)DE PELSEMAEKER Georges</th></li></ul>	78320 Le Mesnil Saint Denis France011/07043411)DE PELSEMAEKER Georges
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(57) Abstract :

The invention relates to a brazable component for the circu lation of a fluid in a heat exchanger, especially for a motor vehicle. The core (4) of said component consists of an aluminium alloy. It also comprises a pure aluminium protective layer (8) arranged against the core (4).

No. of Pages : 16 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : A RESORBABLE LAPAROSCOPICALLY DEPLOYABLE HEMOSTAT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:A61F13/00,A61L15/16 :61/412120 :10/11/2010 :U.S.A. :PCT/US2011/059696 :08/11/2011 :WO 2012/064687 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ETHICON INC. Address of Applicant :U.S. Route 22 Somerville NJ 08876</li> <li>U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)DEY Clifford</li> <li>2)CRAVEN Thomas Lee</li> <li>3)FITZ Benjamin D.</li> <li>4)GARG Atul</li> <li>5)LOONEY Dwayne</li> </ul>
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(57) Abstract :

The present invention is directed to a resorbable hemostatic nonwoven felt suitable for use in laparoscopic procedures and to methods for manufacturing said felt.

No. of Pages : 22 No. of Claims : 14

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : CATALYST FOR PREPARING CHLORINE BY OXIDATION OF HYDROGEN CHLORIDE AND PREPARATION THEREOF

<ul> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>(87) International Publication No</li></ul>	CT/CN2011/075319 /06/2011 O 2012/065427 A	<ol> <li>1)WANHUA CHEMICAL GROUP CO., LTD Address of Applicant :NO., XINGFU SOUTH ROAD,</li> <li>YANTAI, SHANDONG 264002 China</li> <li>2)NINGBO WANHUA POLYURETHANES CO. LTD.</li> <li>(72)Name of Inventor :         <ol> <li>YI Guangquan</li> <li>LOU Yinchuan</li> <li>WAN Yi</li> <li>WU Xunkun</li> <li>HUA Weigi</li> </ol> </li> </ol>
(62) Divisional to Application Number :NA Filing Date :NA	-	5)HUA Weiqi 6)DING Jiansheng

(57) Abstract :

The catalyst for preparing chlorine by oxidation of hydrogen chloride and preparation thereof are provided. The catalyst includes carrier and active components wherein the active components based on the total weight of the catalyst are as follows: 1 20wt% of copper 0.01 5wt% of boron 0.1 10wt% of alkaline metal elements 0.1 15wt% of one or more of rare earth elements 0 10wt% of one or more elements selected from the group consisting of magnesium calcium barium manganese iron nickel cobalt zinc ruthenium and titanium. The catalyst can be prepared by two step impregnation. The catalyst can obviously improve conversion rate and stabilization as compared with existing similar catalysts.

No. of Pages : 14 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:B01D53/04	(71)Name of Applicant :
(31) Priority Document No	:10 2010 052 461.1	1)EISENMANN AG
(32) Priority Date	:24/11/2010	Address of Applicant :T <sup>1</sup> / <sub>4</sub> binger Str. 81 71032 Bblingen
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2011/005756	(72)Name of Inventor :
Filing Date	:16/11/2011	1)KUGLER Markus
(87) International Publication No	:WO 2012/069156	2)RAUSER Wolfgang
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (54) Title of the invention : FILTER APPARATUS AND METHOD FOR PURIFYING A GAS FLOW

(57) Abstract :

In a filter device for filtering a gas flow containing impurities there is provided an adsorption filter unit (34) which comprises a filter medium (40) and through which the gas flow can pass such that the gas flow comes into contact with the filter medium (40) wherein the filter medium (40) adsorbs impurities at an adsorption temperature in an adsorption temperature range and desorbs the impurities again at a desorption temperature in a desorption temperature range. By means of at least one regeneration device (54) the filter medium (40) can be set to a desorption temperature such that the filter medium (40) is purged of previously adsorbed impurities. The adsorption filter unit (34) comprises at least one first filter module (88; 36) and one second filter module (88; 36) each with a separate module housing (38) in each of which a filter medium (40) is provided and through each of which the gas flow can pass. The regeneration device (54) is furthermore designed such that the first filter module (88; 36) can be regenerated independently of the second filter module (88; 36). Also specified is a method for purifying a gas flow conducted in a circuit in which method the gas flow is conducted through at least one adsorption filter device (34) with a filter medium (40).

No. of Pages : 56 No. of Claims : 25

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : USE OF NUTRITIONAL COMPOSITIONS INCLUDING LACTOFERRIN IN STIMULATING IMMUNE CELLS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	<sup>1</sup> :PCT/US2011/064831 :14/12/2011 :WO 2012/091921 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)MJN U.S. HOLDINGS LLC Address of Applicant :2701 Patriot Boulevard 4th Floor Glenview IL 60026 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)WITTKE Anja</li> <li>2)MUNOZ Cecilia</li> <li>3)BANAVARA Dattatreya</li> </ul>
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### (57) Abstract :

The present disclosure relates to the use of nutritional compositions including lactoferrin produced by a non human source in stimulating innate immune cells such as macrophages neutrophils and dendritic cells.

No. of Pages : 21 No. of Claims : 13

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : USE OF NUTRITIONAL COMPOSITIONS INCLUDING LACTOFERRIN IN SUPPORTING RESISTANCE TO DISEASES AND CONDITIONS

(57) Abstract :

The present disclosure relates to the use of nutritional compositions including lactoferrin from a non human source in supporting resistance to diseases or conditions. The method includes administering to a human a nutritional composition comprising a fat or lipid source a protein source and lactoferrin produced by a non human source.

No. of Pages : 24 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : CAPSULE FOR THE PREPARATION OF A BEVERAGE IN BEVERAGE PRODUCTION DEVICE

(51) International classification	:A47J31/22,B65D85/804	(71)Name of Applicant :
(31) Priority Document No	:10193112.9	1)NESTEC S.A.
(32) Priority Date	:30/11/2010	Address of Applicant : Av. Nestl 55 CH 1800 Vevey
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:PCT/EP2011/071019	(72)Name of Inventor :
Filing Date	:25/11/2011	1)ABEGGLEN Daniel
(87) International Publication No	:WO 2012/072508	2)GERBAULET Arnaud
(61) Patent of Addition to Application	:NA	3)TINEMBART Jean Fran§ois
Number		4)PERENTES Alexandre
Filing Date	:NA	,
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract:		•

### (57) Abstract :

Capsule(1A 1B 1C)designed in particular for the preparation of a beverage in a centrifugal brewing device by feeding liquid in the capsule and rotating the capsule along a central axis(I)to produce centrifugal forces on theliquid traversing the capsule thereby forcing the beverage out of the capsule by such centrifugal forces wherein the capsule comprises: a body (2) comprising containment walls(3) a main cavity (4)of central axis (I) a lid (5 5A 5B 5C) connected or connectable to said body and arranged for covering said cavity; an annular flange (6) peripherally bordering and protruding outwards beyond the said cavity (4) wherein the flange is configured to ensure one passage or a plurality of passages (9 46 49) for providing flow of the centrifuged beverage in multiple radial directions from the cavity and through the flange or above the flange as a result of the centrifugation forces exerted when the capsule is rotated along said central axis.

No. of Pages : 24 No. of Claims : 17

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : NON REPLICATING PROBIOTIC MICRO ORGANISMS PROTECT CHILDREN AGAINST GASTROINTESTINAL INFECTIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> </ul> </li> </ul>	:10190847.3 :11/11/2010 :EPO :PCT/EP2011/069693 :09/11/2011 :WO 2012/062781 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)NESTEC S.A. Address of Applicant :Av. Nestl 55 CH 1800 Vevey Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)PETIT Valrie</li> <li>2)GARCIA RODENAS Clara Lucia</li> <li>3)JULITA Monique</li> <li>4)MERCENIER Annick</li> </ul>
Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	4)MERCENIER Annick 5)PRIOULT Gunole 6)NUTTEN Sophie

### (57) Abstract :

The present invention relates to non replicating probiotic micro organisms and their health benefits. In particular the present invention provides a means to help parents to protect their children from gastro intestinal infections in particular diarrhea. One embodiment of the present invention relates to a composition comprising non replicating probiotic micro organisms for use in the prevention or treatment of gastrointestinal infections in children.

No. of Pages : 56 No. of Claims : 15

(22) Date of filing of Application :10/05/2013

### (43) Publication Date : 21/11/2014

### (54) Title of the invention : A BEVERAGE PREPARATION MACHINE WITH AUTOMATIC CLEANING SYSTEM

(57) Abstract :

The invention concerns a beverage preparation system (1) for preparing a beverage by injection of a liquid into an ingredient capsule the beverage system comprising an ingredient capsule (54) and a beverage preparation machine (2 200) having: an injection unit (73; 204) with at least one inner through channel (75; 210) for injecting a liquid into the ingredient capsule; operating means for causing the machine to prepare a beverage characterized in that the machine further comprises a cleaning device (90; 220) for automatically cleaning said at least one inner through channel said cleaning device being actuated by said operating means.

No. of Pages : 37 No. of Claims : 18

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : NON REPLICATING PROBIOTIC MICRO ORGANISMS PROTECT AGAINST UPPER RESPIRATORY TRACT INFECTIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:PCT/EP2011/069692 :09/11/2011 :WO 2012/062780 :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>NESTEC S.A.</li> <li>Address of Applicant :Av. Nestl 55 CH 1800 Vevey</li> </ol> </li> <li>Switzerland </li> <li>(72)Name of Inventor : <ol> <li>PETIT Valrie</li> <li>GARCIA RODENAS Clara Lucia</li> <li>JULITA Monique</li> <li>MERCENIER Annick</li> <li>PRIOULT Gunole</li> <li>NUTTEN Sophie</li> </ol> </li> </ul>
Number Filing Date	:NA :NA	

### (57) Abstract :

The present invention relates to non replicating probiotic micro organisms and their health benefits. For example the present invention relates to compositions comprising non replicating probiotic micro organisms for use in the treatment of prevention of upper respiratory tract infections and/or their symptoms. Embodiments of the present invention provide means to help parents to protect their children from such upper respiratory tract infections.

No. of Pages : 56 No. of Claims : 15

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : NON REPLICATING PROBIOTIC BACTERIA AND PREVENTION OR TREATMENT OF INFECTIONS TO REDUCE ABSENCE FROM SCHOOL OR DAYCARE

(51) International classification	n:A61K35/74,A23L1/30,A61P37/00	(71)Name of Applicant :
(31) Priority Document No	:10190845.7	1)NESTEC S.A.
(32) Priority Date	:11/11/2010	Address of Applicant : Av. Nestl 55 CH 1800 Vevey
(33) Name of priority country	:EPO	Switzerland
(86) International Application No Filing Date	:PCT/EP2011/069694 :09/11/2011	<ul><li>(72)Name of Inventor :</li><li>1)PETIT Valrie</li><li>2)GARCIA RODENAS Clara Lucia</li></ul>
(87) International Publication No	:WO 2012/062782	3)JULITA Monique 4)MERCENIER Annick
(61) Patent of Addition to Application Number Filing Date	:NA :NA	5)PRIOULT Gunole 6)NUTTEN Sophie
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to non replicating probiotic micro organisms and their health benefits. In particular the present invention provides a means to help parents to protect their children from infections. The subject matter of the present inventions allows it to reduce absence from school or daycare. One embodiment of the present invention relates to a composition comprising non replicating probiotic micro organisms for use in the prevention or treatment of infections in children to reduce absence from school or daycare.

No. of Pages : 55 No. of Claims : 14

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (51) International classification :C08F2/32 (71)Name of Applicant : (31) Priority Document No 1)SUMITOMO SEIKA CHEMICALS CO. LTD. :2010233906 (32) Priority Date Address of Applicant :346 1 Miyanishi Harima cho Kako gun :18/10/2010 (33) Name of priority country Hyogo 6750145 Japan :Japan (86) International Application No :PCT/JP2010/070905 (72)Name of Inventor : Filing Date 1)HEGURI Atsushi $\cdot 24/11/2010$ (87) International Publication No :WO 2012/053121 2)TANIMURA Kenji (61) Patent of Addition to Application 3)ONODA Yuichi :NA Number :NA Filing Date (62) Divisional to Application Number :NA

### (54) Title of the invention : METHOD FOR PRODUCING WATER ABSORBENT RESIN PARTICLES AND WATER ABSORBENT RESIN PARTICLES

:NA

### (57) Abstract :

Filing Date

Provided are: a method for producing water absorbent resin particles which have excellent water absorption speed and high equilibrium swelling performance as well as a reasonable particle size and good handleability; and water absorbent resin particles obtained therefrom. The present invention is a method for producing water absorbent resin particles by subjecting a water soluble ethylenically unsaturated monomer to a reverse phase suspension polymerization comprising: (A) a step of subjecting the water soluble ethylenically unsaturated monomer to a first reverse phase suspension polymerization in the absence of an internal crosslinking agent in the presence of a surfactant with an HLB of 8 12 and in a petroleum hydrocarbon dispersion medium by using a water soluble radical polymerization initiator; (B) a step of conducting an intermediate crosslinking reaction by further adding an intermediate crosslinking agent; (C) a step of producing a water absorbent resin precursor by adding the water soluble ethylenically unsaturated monomer while the surfactant is dissolved in the petroleum hydrocarbon dispersion medium and by performing a second reverse phase suspension polymerization in the absence of the internal crosslinking agent by using the water soluble radical polymerization initiator; and (D) a step of conducting a post crosslinking reaction after adjusting the moisture content of the water absorbent resin precursor to 30 100 mass% relative to the water soluble ethylenically unsaturated monomer component which constitutes the water absorbent resin precursor.

No. of Pages : 58 No. of Claims : 6

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : PARTICLE SEPARATOR COMPRISING A METAL LAYER THROUGH WHICH EXHAUST GAS CAN FLOW

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> <li>(87) International Publication</li> </ul> </li> <li>No <ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> </ul> </li> </ul>	:B01D39/20,B01D46/52,B01D39/12 :10 2010 051 730.5 :19/11/2010 y:Germany :PCT/EP2011/070223 :16/11/2011 *:WO 2012/066022 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)EMITEC GESELLSCHAFT FR</li> <li>EMISSIONSTECHNOLOGIE MBH <ul> <li>Address of Applicant :Hauptstrae 128 53797 Lohmar</li> </ul> </li> <li>Germany <ul> <li>(72)Name of Inventor :</li> <li>1)SITTIG Joachim</li> <li>2)VOIT Michael</li> <li>3)KURTH Ferdi</li> <li>4)WIERES Ludwig</li> </ul> </li> </ul>
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a particle separator (1) for treating the exhaust gases of an internal combustion engine (2) at least one metal layer (3) through which exhaust gas can flow being located in a housing (4) that comprises an inlet opening (5) an outlet opening (6) a cross section (25) and a central axis (7). The at least one metal layer (3) has a corrugation (9) that spans the cross section (25) of the housing (4). A particle separator of this type has a large surface for providing the lowest possible flow resistance and a low risk of clogging.

No. of Pages : 23 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : GLYCOLS AS PATHOGEN INACTIVATING AGENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:61/428416 :30/12/2010 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)LABORATOIRE FRANCAIS DU FRACTIONNEMENT</li> <li>ET DES BIOTECHNOLOGIES <ul> <li>Address of Applicant :3 Avenue Des Tropiques ZA de</li> </ul> </li> <li>Courtaboeuf F 91940 Les Ulis France</li> <li>(72)Name of Inventor : <ul> <li>1)CHTOUROU Sami</li> </ul> </li> </ul>
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The disclosure relates to uses methods and compositions for the inactivation of pathogens in biological compositions using a glycol as a pathogen inactivating agent.

No. of Pages : 26 No. of Claims : 14

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : HETEROCYCLIC COMPOUNDS AS IMAGING PROBES OF TAU PATHOLOGY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> <li>(57) Abstract :</li> </ul>	:C07D215/12,C07D215/14,C07D215/18 :61/414007 :16/11/2010 :U.S.A. :PCT/US2011/059495 :07/11/2011 :WO 2012/067863 <sup>o</sup> :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)GE HEALTHCARE LIMITED Address of Applicant : Amersham Place Little Chalfont Buckinghamshire HP7 9NA U.K.</li> <li>2)MEDI PHYSICS INC.</li> <li>(72)Name of Inventor :</li> <li>1)JONES Clare</li> <li>2)EWAN Amanda</li> <li>3)WYNN Duncan</li> <li>4)GAETA Alessandra</li> <li>5)NAIRNE James</li> </ul>
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(57) Abstract :

Heterocyclic compounds of formula (I) useful as imaging probes of Tau pathology in Alzheimer s disease are described. Compositions and methods of making such compounds are also described.

No. of Pages : 31 No. of Claims : 19

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : METHOD AND APPARATUS OF PERFORMING ONT WAVELENGTH TUNING VIA A HEAT SOURCE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:H04J14/02,H04B10/155 :61/416859 :24/11/2010 :U.S.A. :PCT/US2011/059502 :07/11/2011 :WO 2012/071157 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ALCATEL LUCENT <ul> <li>Address of Applicant :3 avenue Octave Grard F 75007 Paris</li> </ul> </li> <li>France </li> <li>(72)Name of Inventor : <ul> <li>1)SMITH Joseph L.</li> <li>2)POHLMANN Wolfgang W.</li> </ul> </li> </ul>
Filing Date	:NA	

(57) Abstract :

A method and apparatus of tuning a signal received from a first network terminal at a second network terminal is disclosed. The method may include receiving the signal at the second network terminal. The signal may be operating at a first wavelength. The method may also include determining a port used to receive the signal at the second network terminal and identifying a predetermined port wavelength used as a basis to shift the first wavelength to the predetermined port wavelength for subsequent signals received. The method may also include transmitting the predetermined port wavelength information to the first network terminal to inform the first network terminal to tune subsequent signals to the desired wavelength for the port.

No. of Pages : 23 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : AN ELECTRICALLY HEATED AEROSOL GENERATING SYSTEM HAVING IMPROVED HEATER CONTROL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:A24F47/00 :10252049.1 :03/12/2010 :EPO :PCT/EP2011/071608 :02/12/2011 :WO 2012/072790 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)PHILIP MORRIS PRODUCTS S.A. Address of Applicant :Quai Jeanrenaud 3 CH 2000 Neuchatel Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)THORENS Michel</li> <li>2)FLICK Jean Marc</li> <li>3)COCHAND Olivier</li> <li>4)DUBIEF Flavien</li> </ul>
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### (57) Abstract :

There is provided a method for controlling at least one electric heating element of an electrically heated aerosol generating system for heating an aerosol forming substrate. The electrically heated aerosol generating system has a sensor for detecting airflow indicative of a user taking a puff having an airflow duration. The method comprises the steps of: increasing the heating power for the at least one heating element from zero to power p1 when the sensor detects that the airflow rate has increased to a first threshold maintaining the heating power at a power p1 for at least some of the airflow duration and decreasing the heating power for the at least one heating element from power p1 to zero when the sensor detects that the airflow rate has decreased to a second threshold.

No. of Pages : 24 No. of Claims : 15

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : POLYMER TUBE COMPRISING AN IDENTIFICATION SENSOR AND METHOD FOR MANUFACTURING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:G01V15/00,F16L1/11 :10290603.9 :10/11/2010 :EPO :PCT/EP2011/005653 :10/11/2011 :WO 2012/062471 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)S.A. RYB Address of Applicant :33 Route de Grenoble Les Appr<sup>a</sup>ts F 38590 Saint Etienne de St Geoirs France</li> <li>(72)Name of Inventor :</li> <li>1)VINOY Bernard</li> </ul>
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(57) Abstract :

The invention relates to a polymer tube for implementing an underground buried pipe, said tube comprising: a polymer tube; a plurality of RFID tags arranged at regular intervais along the tube; and optionally a layer for protecting said RFID tags.

No. of Pages : 35 No. of Claims : 15

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : PROCESSES FOR MAKING NANO ZEOLITES AND FOR RECOVERY OF NANO ZEOLITES FROM AN AQUEOUS SUSPENSION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> </ul>	:C01B39/02,C01B39/20,C01B39/38 :12/909643 :21/10/2010 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)UOP LLC Address of Applicant :25 East Algonquin Road P. O. Box 5017 Des Plaines Illinois 60017 5017 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)MOSCOSO Jaime G.</li> </ul>
Filing Date	:19/10/2011	
(87) International Publication No	:WO 2012/054546	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	<sup>1</sup> :NA :NA	

### (57) Abstract :

Embodiments of a process for recovery of nano zeolites from an aqueous suspension are provided. The process comprises the steps of applying centrifugal force to the aqueous suspension to separate a supernatant phase from a solid phase that comprises the nano zeolites and residuals. The solid phase is contacted with a solution effective to dissolve or digest the residuals and to agglomerate the nano zeolites forming agglomerated nano zeolites. The solution is filtered to recover the agglomerated nano zeolites.

No. of Pages : 18 No. of Claims : 10

(21) Application No.4289/DELNP/2013 A

(19) INDIA(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:F28F9/26	(71)Name of Applicant :
(31) Priority Document No	:61/415588	1)MODINE MANUFACTURING COMPANY
(32) Priority Date	:19/11/2010	Address of Applicant :1500 Dekoven Avenue Racine WI
(33) Name of priority country	:U.S.A.	53403 2552 U.S.A.
(86) International Application No	:PCT/US2011/060911	(72)Name of Inventor :
Filing Date	:16/11/2011	1)KIS John
(87) International Publication No	:WO 2012/068200	2)KIRKLIN,ALLISON
(61) Patent of Addition to Application	:NA	3)HERNIGLE Matthew
Number	:NA	
Filing Date	.1 17 1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (54) Title of the invention : HEAT EXCHANGER ASSEMBLY AND METHOD

(57) Abstract :

A heat exchanger assembly and method of servicing is described and illustrated and in some embodiments includes a pair of core units in an end to end arrangement and a fluid tank arranged between the core units. Each core unit includes air fins arranged in parallel with one another and spaced apart in a core stacking direction and parallel arranged fluid conveying tubes located between and bonded to adjacent air fins. The fluid tank includes a first end sealingly attached to a header plate of one core unit and a second end sealingly attached to a header plate of the other core unit. The fluid tank can be crimped to adjacent core units and can be located entirely within the core stacking direction outermost boundaries of at least one of the core units.

No. of Pages : 22 No. of Claims : 21

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SCROLL COMPRESSOR FOR REFRIGERATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:PCT/FR2011/052803 :29/11/2011 :WO 2012/080613 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)DANFOSS COMMERCIAL COMPRESSORS <ul> <li>Address of Applicant :Route Dpartementale 28 ZI Lieudit Les</li> </ul> </li> <li>Communaux Reyrieux F 01600 Trevoux France</li> <li>(72)Name of Inventor : <ul> <li>1)LE COAT Jean Fran§ois</li> <li>2)BRON Mickael</li> <li>3)GINIES Pierre</li> <li>4)GROSS Dominique</li> <li>5)MEYNAND Franck</li> </ul> </li> </ul>
(62) Divisional to Application Number Filing Date	<sup>1</sup> :NA :NA	

(57) Abstract :

The invention relates to a compressor including: a stationary fan scroll (6) and a movable fan scroll (9) each of which comprises a plate (9 11) provided with a coil (8 12) the coils defining compression chambers (13) the volumes of which are variable; a delivery pipe (21) including a first end leading into a central compression chamber (13a) and a second end to be placed in communication with a delivery chamber (22); a delivery valve (28) movable between a position for blocking and a position for clearing at least one delivery opening arranged to place the delivery pipe (21) and the delivery chamber (22) in communication with each other; and at least one bypass valve (34) combined with a bypass passage arranged to place the delivery chamber (22) in communication with an intermediate compression chamber (13b). The compressor comprises a retaining plate (29) which is mounted onto the plate (7) of the stationary fan scroll (6) and on which first and second retaining means are formed said retaining means being arranged to limit the amplitude of movement of the delivery valve (28) and of each bypass valve respectively toward the clearing position thereof.

No. of Pages : 22 No. of Claims : 12

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : CAPSULE AND POWDER FORMULATIONS CONTAINING LANTHANUM COMPOUNDS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication N</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> </ul>	:A61K9/14,A61K9/16,A61K9/48 :12/958380 :01/12/2010 :U.S.A. :PCT/US2011/062716 :30/11/2011 o:WO 2012/075194 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>SHIRE LLC</li> <li>Address of Applicant :9200 Brookfield Court Florence KY</li> </ol> </li> <li>U.S.A.</li> <li>(72)Name of Inventor : <ol> <li>WITHINGTON Roger</li> <li>PIERCE David</li> </ol> </li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention includes an oral pharmaceutical capsule comprising a shell lanthanum carbonate or lanthanum carbonate hydrate and a lubricant such as talc wherein the shell encapsulates the lanthanum carbonate or its hydrate and the lubricant. Capsule shells comprise for example gelatin. The present invention also includes an oral pharmaceutical powder comprising lanthanum carbonate or lanthanum carbonate hydrate and a pharmaceutically acceptable excipient. The oral pharmaceutical capsules and powders of the present invention can be administered to treat a patient at risk of or suffering from hyperphosphatemia at risk of or suffering from soft tissue calcification associated with CKD or at risk of or suffering from secondary hyperparathyroidism.

No. of Pages : 77 No. of Claims : 40

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : PHOTOVOLTAIC MODULES HAVING A BUILT IN BYPASS DIODE AND METHODS FOR MANUFACTURING PHOTOVOLTAIC MODULES HAVING A BUILT IN BYPASS DIODE

(51) International classification	:H01L31/042,H01L31/18	(71)Name of Applicant :
(31) Priority Document No	:12/963424	1)THINSILICON CORPORATION
(32) Priority Date	:08/12/2010	Address of Applicant :1400 N. Shoreline Blvd. #B 3 Mountain
(33) Name of priority country	:U.S.A.	View CA 94043 U.S.A.
(86) International Application No	:PCT/US2011/044373	(72)Name of Inventor :
Filing Date	:18/07/2011	1)COAKLEY Kevin
(87) International Publication No	:WO 2012/078214	2)HUSSEN Guleid
(61) Patent of Addition to Application	:NA	3)STEPHENS Jason
Number	:NA	
Filing Date	.1177	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A photovoltaic device includes: a substrate; lower and upper electrode layers disposed above the substrate; and a semiconductor layer disposed between the lower and upper electrode layers the semiconductor layer absorbing incident light to excite electrons from the semiconductor layer wherein the semiconductor layer includes a built in bypass diode extending between and coupled with the lower and upper electrode layers the bypass diode permitting electric current to flow through the bypass diode when a reverse bias is applied across the lower and upper electrode layers.

No. of Pages : 76 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:A61N1/05	(71)Name of Applicant :
(31) Priority Document No	:10192512.1	1)SAPIENS STEERING BRAIN STIMULATION B.V.
(32) Priority Date	:25/11/2010	Address of Applicant : High Tech Campus 41 NL 5656 AE
(33) Name of priority country	:EPO	Eindhoven Netherlands
(86) International Application No	:PCT/EP2011/071068	(72)Name of Inventor :
Filing Date	:25/11/2011	1)PARDOEL Michel Gerardus
(87) International Publication No	:WO 2012/069649	2)DECR‰ Michel Marcel Jose
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (54) Title of the invention : MEDICAL PROBE AND A METHOD OF PROVIDING A MEDICAL PROBE

(57) Abstract :

A medical probe is provided that has a single longitudinally uniform interconnect that provides a connection between a distal end and a proximal end of the probe. The interconnect is obtained by forming a thin uniform film as a spiral on a wafer and subsequently applying this spiral as a helix on a base element of a medical probe. The thin film spiral is manufactured with multiple connecting wires to enable connection between an electronics module and a multiplicity of electrodes (an electrode array) at the distal end of the medical probe.

No. of Pages : 25 No. of Claims : 15

(22) Date of filing of Application :14/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : SEAL ASSEMBLY FOR PIN JOINT (51) International classification :E02F9/00,F16C11/04,F16C33/74 (71)Name of Applicant : (31) Priority Document No :61/426768 1)CATERPILLAR INC. (32) Priority Date Address of Applicant :100 N.E. Adams Street Peoria IL 61629 :23/12/2010 (33) Name of priority country 9510 U.S.A. :U.S.A. (86) International Application (72)Name of Inventor : :PCT/US2011/067099 1)LIANG Simon S. No :23/12/2011 Filing Date 2)KHARE Roopam (87) International Publication :WO 2012/088489 No (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

A pin joint assembly (24) for a machine (10) includes a seal assembly (51 52 451) having first and second seal rings

(111 112 511 512) and first and second gaskets or toric load rings (121 122 521 522). The first and second seal rings

(111 112 511 512) each has a loading surface (134 534) and a sealing face (136 536). The first and second seal rings

(111 112 511 512) abut one another such that the sealing faces (136 536) are in contacting relationship with each other. The first load ring (121 521) engages a load ring engagement surface (130 330 530) of a collar (44 244 444) and the loading surface (134 534) of the first seal ring (111 511). The second load ring (122 522) engages a load ring engagement surface (130 330 530) of a bushing (42) and the loading surface (134 534) of the second seal ring (112 512). At least one of the load ring engagement surface (130 330 530) of the collar (44 244 444) and the loading surface (134 534) of the first seal ring (111 511) is adapted to retain the first load ring (121 521) in proximal relationship to the sealing face (136 536) of the first seal ring (111 511).

No. of Pages : 47 No. of Claims : 10

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SYSTEM AND PROCESS FOR BIOPOLYMER CHROMATOGRAPHY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to</li> <li>Application Number</li> </ul>	:B01D15/18,G01N30/44,G01N30/46 :10512796 :03/12/2010 :Sweden :PCT/SE2011/051468 :02/12/2011 <sup>n</sup> :WO 2012/074481 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)GE HEALTHCARE BIO SCIENCES AB Address of Applicant :Patent Department Bjrkgatan 30 S 751</li> <li>84 Uppsala Sweden</li> <li>(72)Name of Inventor :</li> <li>1)HALL Martin</li> <li>2)LACKI Karol</li> </ul>
Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A chromatography system (1) for separation of a biopolymer is described comprising at least one feed tank (3) at least one hold tank (4; 4a 4b 4c) at least one elution buffer tank (5) at least one eluate tank (6) at least two packed bed chromatography columns (7 8) and for each packed bed chromatography column (7 8) at least one pump 810) and at least one outlet detector (11) both connected to said each packed bed chromatography column (7 8) wherein the feed tank the hold tank(s) the elution buffer tank and the eluate tank are each connected to the packed bed chromatography columns via a system of valves (12) and wherein said hold tank(s) is/are connected to at least one inlet end (13) of a column (7 8) and at least one outlet end (14) of a column (7 8).

No. of Pages : 28 No. of Claims : 22

(22) Date of filing of Application :03/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : NOVEL POLYMERIC PHOTOINITIATORS (51) International classification :C08F2/50,C08G18/48,C08J3/28 (71)Name of Applicant : (31) Priority Document No :PA 2010 70487 1)COLOPLAST A/S (32) Priority Date Address of Applicant :Holtedam 1 DK 3050 Humlebaek :12/11/2010 (33) Name of priority country :Denmark Denmark (86) International Application No:PCT/DK2011/050431 (72)Name of Inventor : Filing Date :11/11/2011 1)MADSEN Niels Joergen (87) International Publication No :WO 2012/062333 2)SEHNAL Petr (61) Patent of Addition to **3)NIELSEN Christian B.** :NA Application Number 4)ANDERSON David George :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

The invention provides a polymeric photoinitiator most suitably a polyurethane photoinitiator obtained by step growth co polymerization of at least one monomer (A) with at least one monomer (B). Monomer (A) comprises a photoinitiator moiety while monomer (B) is a monomer reactive with monomer (A) to form a polymer. The invention also provides a method for producing said polymeric photoinitiator a method of cross linking the polymeric photoinitiator and the use of said polymeric photoinitiator as a photoinitiator.

No. of Pages : 52 No. of Claims : 47

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : PYRIMIDINE HYDROXY AMIDE COMPOUNDS AS PROTEIN DEACETYLASE INHIBITORS AND METHODS OF USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07D239/12,C07D239/16,C07D409/12 :61/414158 :16/11/2010 :U.S.A. :PCT/US2011/060791 :15/11/2011 :WO 2012/068109 <sup>50</sup> :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ACETYLON PHARMACEUTICALS INC. Address of Applicant :70 Fargo Street Suite 205 Boston MA</li> <li>(02210 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)VAN DUZER John H.</li> <li>2)MAZITSCHEK Ralph</li> <li>3)DING Yanbing</li> <li>4)YU Nan</li> <li>5)CAO Yun</li> <li>6)LIU Yong</li> </ul>
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(57) Abstract :

The present invention relates to novel pyrimidine hydroxy amide compounds and the use of such compounds in the inhibition of HDAC6 and in the treatment of various diseases disorders or conditions related to HDAC6.

No. of Pages : 108 No. of Claims : 74

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:E21B34/08	(71)Name of Applicant :
(31) Priority Document No	:2010142575	1)ALEKSANDROV Pavel Dmitrievich
(32) Priority Date	:18/10/2010	Address of Applicant :Kanonerskiy ostrov 7 251 St.Petersburg
(33) Name of priority country	:Russia	198184 Russia
(86) International Application No	:PCT/RU2011/000802	(72)Name of Inventor :
Filing Date	:14/10/2011	1)ALEKSANDROV Dmitriy Ivanovich
(87) International Publication No	:WO 2012/053935	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(		1

## (54) Title of the invention : AUTONOMOUS CUT OFF DEVICE

(57) Abstract :

The invention relates to the oil and gas extraction industry and can be used in the drilling and operating of various wells and also in the construction and operation of surface pipeline systems. The device comprises a body 1 a stop valve 2 a potential energy accumulator 3 and a holding lowering mechanism 5. The accumulator 3 is in the form of a spring and the mechanism 5 is immovably fixed in the body and is equipped with fixing elements 6. The valve 2 comprises a seat 7 and a disc 14 in the form of a drum. The outer surface 17 of the disc 14 has a conical groove 18 for the fixing elements 6. A lubricant filled cavity 25 for the mechanism 5 is formed between the body 1 and surface 17. On the inside the disc 14 has a through passage for a flow 19 with a surface of conical shape 22 which expands from the inlet 20 to the outlet 21 and with a surface of cylindrical shape 23 at the outlet 21. The disc 14 comprises a replaceable connecting piece 24 mounted on the inlet 20. The seat 7 comprises circulation passages 9 on an annular part 8 and has a boss 10 which is formed by a cylindrical surface 11 and by a spherical surface 12 with a spherical end 13. The invention simplifies the device and makes it possible to check the closing and opening of the cut off element.

No. of Pages : 20 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :14/05/2013

#### (43) Publication Date : 21/11/2014

(51) International classification	:C12Q1/68,G01N33/558	(71)Name of Applicant :
(31) Priority Document No	:1017447.2	1)MOORLODGE BIOTECH VENTURES LIMITED
(32) Priority Date	:15/10/2010	Address of Applicant : Moor Lodge Farm Ovenhill Road New
(33) Name of priority country	:U.K.	Mills SK22 4QL U.K.
(86) International Application No	:PCT/GB2011/001487	(72)Name of Inventor :
Filing Date	:17/10/2011	1)MINTER Stephen John
(87) International Publication No	:WO 2012/049465	2)PATSOS Georgios
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : ASSAY DEVICE

#### (57) Abstract :

An assay device (1) for determining the presence and/or amount of an analyte present or potentially present in a liquid sample comprises: (i) a capillary tube (2) having an upstream region (3) into which the sample to be assayed is introduced for transfer by capillary action along the capillary tube to a downstream region thereof; (ii) a collection of first binding partners (5) immobilised within the capillary tube (2) said first binding partners (5) being capable of specifically binding to the analyte; (iii) a collection of second binding partners (6) displaceabley bound to a fraction of said first binding partners (5) whereby there are free first binding partners (5) immobilised within the capillary tube said second binding partners (6) having a label and being displaceable from the first binding partners (5) by the analyte to be detected; and (iv) a detection region (4) for sample that has transferred to said downstream region of said capillary tube said detection region being adapted to generate a detectable signal from the label on displaced second binding partners (6) that have transferred to the downstream region.

No. of Pages : 43 No. of Claims : 25

(22) Date of filing of Application :08/05/2013

#### (54) Title of the invention : HSP90 INHIBITOR PREPARATION METHOD AND USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document Not</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> <li>(87) International</li> </ul> </li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to</li> </ul>	:08/10/2010 :China :PCT/CN2011/071022 :16/02/2011 :WO 2012/045237 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)JINAN UNIVERSITY <ul> <li>Address of Applicant :North 5th Floor College of Life</li> </ul> </li> <li>Sciences and Technology Jinan University Road 601 Huangpu</li> <li>Dadaoxi Guangzhou Guangdong 510632 China</li> <li>(72)Name of Inventor : <ul> <li>1)WANG Yifei</li> <li>2)XING Guowen</li> <li>3)JU Huaiqiang</li> <li>4)LIN Wenhui</li> <li>5)QIAN Chuiwen</li> <li>6)XIA Min</li> <li>7)ZHOU Xiaoping</li> <li>8)ZHANG Meiying</li> </ul> </li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Disclosed are an Hsp90 inhibitor and a preparation method and use thereof The Hsp90 inhibitor is 2-(4-(3-acetylcamitineacyloxy) cyclohexylamino)-4-(l-(3,6,6- trimethyl-4-oxy-4,5,6,7-tetrahydroindazole)) benzamide. The Hsp90 inhibitor has good water solubility and high bioavailability, and can effectively inhibit the proliferation of cancer cells, such as leukemia, cervical cancer, breast cancer, human laryngeal 10 epithelial carcinoma or malignant melanoma, and can effectively inhibit the activity of herpes simplex virus, and the maximal non-toxic concentration of the Hsp90 inhibitor on normal cells is a high, and the Hsp90 inhibitor only has specific inhibition effect on cancer cells.

No. of Pages : 20 No. of Claims : 5

(21) Application No.4309/DELNP/2013 A

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:H04L12/24	(71)Name of Applicant :
(31) Priority Document No	:61/424393	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:17/12/2010	Address of Applicant :SE 164 83 Stockholm Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/EP2011/070205	1)SANGUINETI Antonella
Filing Date	:16/11/2011	2)MARTINOTTI Riccardo
(87) International Publication No	:WO 2012/079898	3)FIORONE Raoul
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Ale stars at $z$		l

#### (54) Title of the invention : INTERWORKING FOR OAM INFORMATION EXCHANGE

(57) Abstract :

A node (110) for an MPLS telecommunications network has interfaces (100) for OAM information exchange relating to a path for data traffic between first and second other nodes each operating according to different OAM state machines for OAM information exchange. An OAM state machine mapper (120) maps the states of either of the different OAM state machines of the first and second other nodes into states recognised by the other of the different OAM state machines. OAM information exchange is according to either the first or the second OAM state machine and according to states mapped from the other of the OAM state machines to support the path for data traffic through the node. By such mapping of the different states OAM information can be exchanged across corresponding boundaries and so paths no longer need to be terminated at the boundary to enable end to end operations.

No. of Pages : 32 No. of Claims : 24

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : MODULATION OF ANTIGEN IMMUNOGENICITY BY ADDITION OF EPITOPES RECOGNIZED BY NKT CELLS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:C07K14/435 :10192564.2 :25/11/2010 :EPO :PCT/EP2011/070907 :24/11/2011 :WO 2012/069572	<ul> <li>(71)Name of Applicant :</li> <li>1)IMNATE SARL</li> <li>Address of Applicant :Rue des Romains 80 L 8041 Strassen</li> <li>Luxembourg</li> <li>(72)Name of Inventor :</li> <li>1)SAINT REMY Jean Marie</li> </ul>
		6
11		
6	:24/11/2011	1)SAINT REMY Jean Marie
(87) International Publication No	:WO 2012/069572	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention describes a method and compounds for the prevention and treatment of infections with intracellular organisms the treatment of tumors and the prevention of infectious and allergic diseases by vaccination.

No. of Pages : 27 No. of Claims : 13

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : MODULATION OF ANTIGEN IMMUNOGENICITY BY DELETING EPITOPES RECOGNIZED BY NKT CELLS

(51) International classification	:C07K14/435	(71)Name of Applicant :
(31) Priority Document No	:10192568.3	1)IMNATE SARL
(32) Priority Date	:25/11/2010	Address of Applicant : Rue des Romains 80 L 8041 Strassen
(33) Name of priority country	:EPO	Luxembourg
(86) International Application No	:PCT/EP2011/070911	(72)Name of Inventor :
Filing Date	:24/11/2011	1)SAINT REMY Jean Marie
(87) International Publication No	:WO 2012/069575	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		1

(57) Abstract :

The invention describes a method and compounds for the prevention of immune responses towards allofactors towards viral vectors used for gene therapy and gene vaccination towards proteins to which subjects are naturally exposed towards genetically modified organisms and towards undesirable effects related to vaccine administration for allergic or infectious diseases.

No. of Pages : 51 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :14/05/2013

#### (43) Publication Date : 21/11/2014

(54) Title of the invention : DUAL MOD	E BASE STATION	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:12/958470 :02/12/2010 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)ROCKSTAR BIDCO LP <ul> <li>Address of Applicant :1285 Avenue of the Americas New</li> <li>York NY 10019 6064 U.S.A.</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)REED Christopher</li> <li>2)GALE Simon</li> <li>3)URQUHART Andrew</li> </ul> </li> </ul>

(57) Abstract :

A base station including at least a transceiver switch is provided enabling the base station to transmit and receive data in either FDD or TDD mode from an antenna. The base station may be provided with a synthesiser which can be retuned from FDD to TDD mode or alternatively an FDD and a TDD synthesiser and a switch enabling the transmitter and receiver of the base station to process FDD or TDD mode data respectively.

No. of Pages : 31 No. of Claims : 14

(21) Application No.4314/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:1059215 :08/11/2010 :France :PCT/EP2011/069584 :08/11/2011 :WO 2012/062719 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CONDUCTIX WAMPFLER FRANCE Address of Applicant :119 avenue Louis Roche F 92230 Gennevilliers France (72)Name of Inventor : 1)CORSO Fran§ois</li></ul>
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#### (54) Title of the invention : IMPROVED OPTICAL FIBER GUIDE DEVICE

(57) Abstract :

The invention relates to a device for guiding an optical fiber (2) which is intended to be mounted on a vertical tower (T) for manufacturing an optical fiber (2) the fiber being produced from an oven (18) located at the upper portion of the tower (T) and being moved vertically downward relative to the tower (T) the guide device (1) being located downstream of the oven (18) the device including: a first guide pulley (10) at least one surface (1220) for twisting the fiber (2) which is located downstream of the first guide pulley (10) a second guide pulley (14) located downstream of the at least one surface (1220) for twisting the fiber (1220) for twisting the fiber (2) and a deflecting pulley (16) the distance (C) between the first guide pulley (10) and the at least one surface for twisting the fiber (1220) being greater than the distance (D) between the at least one surface for twisting the fiber (2) wherein the two surfaces (1220 1222) for twisting the optical fiber (2) are the two sides of a groove formed in a single twisting pulley (122).

No. of Pages : 24 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : TOOLS FOR USE IN SUBTERRANEAN BOREHOLES HAVING EXPANDABLE MEMBERS AND **RELATED METHODS** 

#### (57) Abstract :

Expandable apparatus for use in subterranean boreholes include at least one member configured to move between a retracted position and an extended position. A latching member disposed in the tubular body may selectively retain the at least one member in the retracted position. Methods of operating an expandable apparatus include securing at least one member of the expandable apparatus in a retracted position by engaging an inner wall of a tubular body with at least one latch member disposed in at least one aperture formed in a latch sleeve.

No. of Pages : 32 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :14/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : KAT II INHIBITORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07D215/58,A61K31/4704,A61P25/28 :61/418791 :01/12/2010 :U.S.A. :PCT/IB2011/055190 :18/11/2011 :WO 2012/073146 ?:NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)PFIZER INC. Address of Applicant :235 East 42nd Street New York New York 10017 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)DOUNAY Amy Beth</li> <li>2)HELAL Christopher John</li> <li>3)TUTTLE Jamison Bryce</li> <li>4)VERHOEST Patrick Robert</li> </ul>
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(57) Abstract :

The present invention relates to compounds 3 amino 1 hydroxy 2 oxo 1 2 3 4 tetrahydroquinoline 7 carbonitrile 3 amino 1 hydroxy 7 (2 methoxyethoxy) 3 4 dihydroquinolin 2(1H) one and 3 amino 1 hydroxy 7 [(1S) 2 methoxy 1 methylethoxy] 3 4 dihydroquinolin 2(1H) one including racemic mixtures and resolved enantiomers thereof to pharmaceutically acceptable salts thereof and to the treatment of cognitive deficits associated with schizophrenia and other psychiatric neurodegenerative and/or neurological disorders in mammals including humans.

No. of Pages : 55 No. of Claims : 15

(21) Application No.4321/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : VIRTUAL MACHINE MORPHING FOR HETEROGENEOUS MIGRATION ENVIRONMENTS (51) International classification :G06F9/455 (71)Name of Applicant : (31) Priority Document No :12/965723 1)AMAZON TECHNOLOGIES INC. (32) Priority Date Address of Applicant : P.O. Box 8102 Reno Nevada 89507 :10/12/2010 (33) Name of priority country :U.S.A. U.S.A. (86) International Application No :PCT/US2011/063108 (72)Name of Inventor : Filing Date :02/12/2011 **1)VINCENT Pradeep** (87) International Publication No :WO 2012/078471 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract :

Virtual machines may migrate between heterogeneous sets of implementation resources in a manner that allows the virtual machines to efficiently and effectively adapt to new implementation resources. Furthermore virtual machines may change types during migration without terminating the virtual machines. Migration templates may be established to manage migration of sets of virtual machines between sets of implementation resources and/or virtual machine types. Migration templates may be established based at least in part on information provided by migration agents added to the virtual machines under consideration for migration. The migration agents may detect and augment relevant virtual machine capabilities as well as trigger reconfiguration of virtual machine components in accordance with migration templates.

No. of Pages : 47 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

(57) Abstract :

The invention relates to an electrical power resistor comprising a stack of a plurality of resistor plates made of metal. Each resistor plate has at least one serpentine structure which is formed by a plurality of crosspieces alternately connected to one another. Successive resistor plates in the stacking direction are rotated by 90° relative to one another.

No. of Pages : 24 No. of Claims : 15

(21) Application No.4323/DELNP/2013 A

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : PROCESS FOR PRODUCING LIGHT OLEFINS BY USING A ZSM 5 BASED CATALYST

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> </ul> </li> <li>Application Number <ul> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul> </li> </ul>	:B01J27/16,B01J29/40,B01J29/46 :10014193.6 :02/11/2010 :EPO :PCT/EP2011/005375 :25/10/2011 :WO 2012/059191 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SAUDI BASIC INDUSTRIES CORPORATION (SABIC) Address of Applicant :P.O. Box 5101 11422 Riyadh Saudi</li> <li>Arabia</li> <li>2)SABIC PETROCHEMICALS B.V.</li> <li>(72)Name of Inventor :</li> <li>1)MAMEDOV Agaddin Kh.</li> </ul>
Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a process for producing lower olefins from an oxygenate feedstream using a catalyst composition comprising M1 M2 P/ZSM 5 wherein M1 is one or more basic species M2 is one or more redox elements selected from Groups 6 8 of the Periodic Table of Elements and Sn and P is phosphorus wherein said basic species is a molecular entity forming a weak Lewis base and/or a weak Bronsted base in the catalyst composition. In addition thereto the present invention relates to an integrated process for producing lower olefins from a feedstream comprising hydrocarbons.

No. of Pages : 25 No. of Claims : 13

(22) Date of filing of Application :13/05/2013

#### (54) Title of the invention : METHOD FOR INCREASING NEPRILYSIN EXPRESSION AND ACTIVITY

(51) International classification	:A61K38/17,A61K38/18,A61P25/28	<ul><li>(71)Name of Applicant :</li><li>1)KAY Denis G.</li></ul>
(31) Priority Document No	:61/414412	Address of Applicant :8 Bayside Drive Stratford Prince
(32) Priority Date	:16/11/2010	Edward Island C1B 1Y8 Canada
(33) Name of priority country	y:U.S.A.	2)VAN KAMPEN Jackalina M.
<ul> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> </ul>	:PCT/CA2011/001260 :16/11/2011 :WO 2012/065248 :NA	<ul> <li>(72)Name of Inventor :</li> <li>1)KAY Denis G.</li> <li>2)VAN KAMPEN Jackalina M.</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract :

This invention is directed to methods and compositions for increasing the expression or activity of neprilysin in for example the frontal cortex or the entorhinal cortex using a progranulin polypeptide or effector. The present invention is further directed to methods of reducing microglia in the brain of a patient with neurodegenerative disease using a progranulin polypeptide or effector.

No. of Pages : 57 No. of Claims : 23

#### (19) INDIA

(22) Date of filing of Application :13/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : A BED LIFTING APPARATUS

(51) International	:A47C19/04,A47C31/00,A47C17/86	(71)Name of Applicant :
classification	:A4/C19/04,A4/C31/00,A4/C1//80	1)KOOREY John
(31) Priority Document No	:2010904612	Address of Applicant :36 Bower Street Manly New South
(32) Priority Date	:15/10/2010	Wales 2095 Australia
(33) Name of priority countr	y:Australia	(72)Name of Inventor :
(86) International Application No Filing Date	:PCT/AU2011/001307 :13/10/2011	1)KOOREY John
(87) International Publication No	<sup>1</sup> :WO 2012/048378	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A bed lifting apparatus comprising a base and a support frame connected by at least one linkage arm the at least one linkage arm including at least one biasing arrangement arranged to maintain the base and the support frame in a spaced apart

relationship wherein in use when a bed is located on the support frame the bed is maintained in a spaced apart relationship from a floor surface.

No. of Pages : 35 No. of Claims : 25

(19) INDIA

(22) Date of filing of Application :13/05/2013

#### (43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> </ul>	:B02C17/20 :110769 :13/10/2010 :Bulgaria :PCT/BG2011/000019 :11/10/2011 :WO 2012/048391 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ASSAREL MEDET AD Address of Applicant :m. Assarel 4500 Panagyurishte Bulgaria</li> <li>(72)Name of Inventor :</li> <li>1)BODUROV Petar</li> <li>2)PENCHEV Todor</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (54) Title of the invention : GRINDING BODY

#### (57) Abstract :

The invention relates to a grinding body for crushing and grinding of ores rocks or earth inert and all other materials in drum and other mills. It finds application in ore enrichment production of construction materials waste processing and other industrial branches. The grinding body comprises a spheroidal cone (1) whose forming curve (5) is part of a circle or of some other geometrical curve and a vertex (6) and a base (2) which is part of a sphere or of other three dimensional figure obtained by rotation of geometrical curves and an edge (4) between them. In one of the versions the cone (1) and the base (2) are connected by a cylinder (9). For better producibility of the grinding body a flat spot (3) with circular or other shape is made on the surface of the base (2) and the cone (1). In a subsequent version the vertex (6a) of the cone (1) is cut flat with its plane perpendicular or inclined towards the axis of the body. In other versions more or less convex peripheral rings (10 11 12) are made between the cone (1) and the base (2) and on the flat cut vertex (6a) short cylinders (13) with flat bases (14) are protruding. All edges and the vertex of the body may be rounded along part of a circle spiral or other geometrical figure. The grinding body has greater area than the spherical grinding body and greater density in a given space. The existence of an edge and a vertex increases milling productivity.

No. of Pages : 16 No. of Claims : 11

(21) Application No.4236/DELNP/2013 A

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:61/411613 :09/11/2010 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)PASTEURIA BIOSCIENCE INC. Address of Applicant :12085 Research Drive Suite 185</li> <li>Alachua FL 32615 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)HEWLETT Thomas E.</li> <li>2)SCHMIDT Liesbeth M.</li> <li>3)GREEN April</li> <li>4)BARMORE Charles S.</li> </ul>	
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#### (54) Title of the invention : NOVEL PASTEURIA STRAIN AND USES THEREOF

(57) Abstract :

(19) INDIA

PasteuriaThe subject invention provides a novel and advantageous strain of bacteria with nematicidal activity against lance nematodes. The subject invention provides the novel bacterial culture referred to as ATCC SD 5832 and mutants or variants thereof. Also provided are nematicidal compositions comprising the Pasteuria strain or its mutants or variants and uses thereof for treating phytopathogenic and soil dwelling nematodes.

No. of Pages : 22 No. of Claims : 12

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : FUEL DISPENSER FLOW METER SENSOR FRAUD PREVENTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> <li>(87) International</li> </ul> </li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> </ul> </li> </ul>	:G01F13/00,G01F13/00,G01F13/073 :61/421011 :08/12/2010 :U.S.A. :PCT/EP2011/072234 :08/12/2011 :WO 2012/076666 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)DANAHER UK INDUSTRIES LIMITED Address of Applicant :Suite 31 The Quadrant 99 Parkway Avenue Sheffield South Yorkshire S9 4WG U.K.</li> <li>(72)Name of Inventor :</li> <li>1)JENNINGS Michael Lawrence</li> </ul>
	:NA :NA	

#### (57) Abstract :

Methods and systems for detecting fraud caused by tampering with a fuel flow meter. In one embodiment the method comprises providing a fuel flow meter for measuring the flow of liquid fuel. The flow meter has at least one shaft supporting a rotor. The method further comprises providing the flow meter with a rotary displacement sensor. Also the method comprises measuring a first angular position of the shaft upon termination of a first fueling transaction and measuring a second angular position of the shaft upon initiation of a second fueling transaction. Finally the method comprises comparing data indicative of the first and second shaft angular positions to determine whether fraud has occurred.

No. of Pages : 41 No. of Claims : 32

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : GRAFT COLLECTION AND CONTAINMENT SYSTEM FOR BONE DEFECTS (51) International classification :A61F2/28,A61F2/46 (71)Name of Applicant : (31) Priority Document No **1)SYNTHES USA LLC** :61/413590 (32) Priority Date :15/11/2010 Address of Applicant :1302 Wrights Lane East West Chester (33) Name of priority country Pennsylvania 19380 U.S.A. :U.S.A. (86) International Application No **2)SYNTHES GMBH** :PCT/US2011/060723 Filing Date :15/11/2011 (72)Name of Inventor : (87) International Publication No :WO 2012/068062 1)MIKHAIL George (61) Patent of Addition to Application 2)HAMEL Ross :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A device for containing bone graft material comprises a body (102) including an inner sleeve (112) extending longitudinally from a proximal end to a distal end and an outer sleeve (114) surrounding the inner sleeve and extending longitudinally from a proximal end to a distal end such that a bone graft collecting space (132) is formed therebetween. A sytem (101) for collecting bone graft in the collecting space is also provided.

No. of Pages : 52 No. of Claims : 50

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : APPARATUS FOR THE MOVEMENT OF WIRE DISPENSING MEMBERS USED FOR WINDING COILS OF CORE COMPONENTS OF DYNAMOELECTRIC MACHINES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:H02K15/095 :TO2010A000926 :23/11/2010 :Italy :PCT/IB2011/002791 :22/11/2011 :WO 2012/069911 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ATOP S.P.A. Address of Applicant :Strada S. Appiano 8/A I 50021 Barberino Val DElsa Italy</li> <li>(72)Name of Inventor :</li> <li>1)PONZIO Massimo</li> </ul>
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#### (57) Abstract :

An apparatus for moving wire dispensing members (10) used to wind dynamo electric machine coils comprising a frame (30); a first tubular member (13) having a longitudinal axis (12) assembled for longitudinal reciprocation () parallel to said longitudinal axis (12); a second tubular member (14) assembled for the longitudinal reciprocation () and rotational oscillation (S S) together with said first tubular member (13); means (16 24) for generating the translational reciprocation motion () of said first tubular member (13) and second tubular member (14); means (24 28) for generating rotational oscillation (S S) of said first tubular member (13) and second tubular member (14); means (60 118 126) for generating a relative rotational motion between the first tubular member (13) and the second tubular member (14) for accomplishing a radial motion (R R) of the wire dispensing members (10); wherein the means (16 24) for generating rotational oscillation (S S) and the means (60 118 126) for generating rotational (S S) with support means (29 31 36) assembled on the frame (30) and the means for generating the rotational oscillation (S S) derive rotational motion from the first shaft (20) through a transmission joint (25 26).

No. of Pages : 22 No. of Claims : 15

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : HYDROCARBON TREATMENT PROCESS

(51) International classification	:C10G17/00,C10G19/04,C10G27/06	(71)Name of Applicant : 1)MERICHEM COMPANY
(31) Priority Document No	:13/017861	Address of Applicant :5455 Old Spanish Trail Houston TX
(32) Priority Date	:31/01/2011	77023 U.S.A.
(33) Name of priority country	y:U.S.A.	(72)Name of Inventor :
(86) International Application No Filing Date	:PCT/US2012/023238 :31/01/2012	1)ZHANG Tiejun 2)HARDY K. Michael 3)TURNER V. Keith
(87) International Publication No	<sup>1</sup> :WO 2012/106290	4)BINCAZ Ignacio C. 5)VARADI Tom
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

In a catalytic treatment process mercaptans in sour hydrocarbon are oxidized to disulfide oils using an aqueous treatment solution containing a chelated polyvalent metal catalyst alkali metal hydroxide and the alkali metal salt of at least one alcohol in a non dispersive mixing apparatus wherein an upgraded hydrocarbon containing the disulfide oils is produced.

No. of Pages : 22 No. of Claims : 37

(19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : SODIUM TO	LERANT ZEOLITE CA	TALYSTS AND PROCESSES FOR MAKING THE SAME
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:B01J29/06 :61/416911 :24/11/2010 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)W. R. GRACE &amp; CO. CONN. Address of Applicant :7500 Grace Drive Columbia Maryland 21044 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)SHU Yuying</li> <li>2)WORMSBECHER Richard F.</li> <li>3)CHENG Wu Cheng</li> </ul>

(57) Abstract :

This invention relates to a process of preparing a catalyst from zeolite having a relatively high content of sodium of 18.6 µg NaO per zeolite surface area or greater. The invention comprises adding yttrium compound to the zeolite either prior to during or after its combination with precursors for catalyst matrix. This invention is suitable for preparing zeolite containing fluid cracking catalysts.

No. of Pages : 27 No. of Claims : 30

(19) INDIA

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : BACH2 REPR	CESSION IN CELLS	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul> </li> <li>Number <ul> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul> </li> </ul>	:C12Q1/68 :10187271.1 :12/10/2010 :EPO	<ul> <li>(71)Name of Applicant :</li> <li>1)UNIVERSITE LIBRE DE BRUXELLES Address of Applicant :Avenue Franklin Roosevelt 50 CP 161 B 1050 Bruxelles Belgium</li> <li>(72)Name of Inventor :</li> <li>1)WILLARD GALLO Karen</li> <li>2)SIBILLE Catherine</li> </ul>

(57) Abstract :

A method for measuring the proliferation status of a cell present in a biological sample comprising the step of measuring in the said cell the loss of BACH2 by Fluorescence after In Situ Hybridization (FISH) analysis and mRNA quantification or by Comparative Genomic Hybridization (CGH) and corresponding kit and applications.

No. of Pages : 42 No. of Claims : 22

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : HYDROPROCESSING CATALYSTS AND METHODS FOR MAKING THEREOF

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:B01J23/28,B01J37/02,B01J35/08 :61/424804 :20/12/2010 :U.S.A. :PCT/US2011/066007 :20/12/2011 :WO 2012/088025 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CHEVRON U.S.A. INC. Address of Applicant :6001 Bollinger Canyon Road San Ramon California 94583 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)REYNOLDS Bruce E.</li> <li>2)CHABOT Julie</li> <li>3)MARIS Erin</li> <li>4)SOLBERG Sean</li> <li>5)CHEN Kaidong</li> </ul>
11	:NA :NA :NA	

## (57) Abstract :

A method to upgrade heavy oil feedstock using an ebullated bed reactor and a novel catalyst system is provided. The ebullated bed reactor system includes two different catalyst with different characteristics: an expanded catalyst zone contains particulate catalyst having a particle size of greater than 0.65 mm; and a slurry catalyst with average particle size from 1 to 300  $\mu$ m. The slurry catalyst is provided to the ebullated bed system with the heavy oil feedstock and entrained in the upflowing hydrocarbon liquid passing through the ebullated bed reaction zone. The slurry catalyst reduces the formation of sediment and coke precursors in the reactor system. In one embodiment the slurry catalyst is prepared from at least a water soluble metal precursor which is pre sulfided or sulfided in situ. In another embodiment the slurry catalyst is prepared from rework materials (catalyst fines).

No. of Pages : 48 No. of Claims : 64

(19) INDIA

(22) Date of filing of Application :09/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : KAT II INHIBITORS

<ul> <li>(51) International classification</li> <li>:C07D487/04,A61K31/437,A61P25/00</li> <li>(31) Priority Document No :61/418802</li> <li>(32) Priority Date</li> <li>:01/12/2010</li> <li>(33) Name of priority</li> <li>:U.S.A.</li> <li>(86) International</li> <li>:PCT/IB2011/055158</li> <li>:17/11/2011</li> <li>Filing Date</li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> <li>Filing Date</li> <li>:NA</li> </ul>	<ul> <li>(71)Name of Applicant :</li> <li>1)PFIZER INC. Address of Applicant :235 East 42nd Street New York New York 10017 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)DOUNAY Amy Beth</li> <li>2)MCALLISTER Laura Ann</li> <li>3)PARIKH Vinod D</li> <li>4)RONG Suobao</li> <li>5)VERHOEST Patrick Robert</li> </ul>
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(57) Abstract :

Compounds of Formula I: (I) wherein X Y Z R R R R are as defined herein and pharmaceutically acceptable salts thereof are described as useful for the treatment of cognitive 5 deficits associated with schizophrenia and other psychiatric neurodegenerative and/or neurological disorders in mammals including humans.

No. of Pages : 90 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:G03H1/00	(71)Name of Applicant :
(31) Priority Document No	:10190977.8	1)UNIVERSITE LIBRE DE BRUXELLES
(32) Priority Date	:12/11/2010	Address of Applicant : Avenue Franklin Roosevelt 50 CP 161
(33) Name of priority country	:EPO	B 1050 Bruxelles Belgium
(86) International Application No	:PCT/EP2011/069746	(72)Name of Inventor :
Filing Date	:09/11/2011	1)DUBOIS Frank
(87) International Publication No	:WO 2012/062805	2)YOURASSOWSKY Catherine
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) 11		1

(54) Title of the invention : OPTICAL METHOD FOR CHARACTERISING TRANSPARENT PARTICLES

#### (57) Abstract :

The present invention is related to a method for characterising transparent objects  $(2 \ 3)$  in a transparent medium (1) said transparent objects  $(2 \ 3)$  presenting an optical focal area  $(5 \ 6)$  said method comprising the steps of: illuminating a sample comprising the objects  $(2 \ 3)$  to be characterised by means of a directional light (7) source thereby inducing light intensity peaks  $(5 \ 6)$  at the focal area of said transparent objects; determining at least one characteristic of the light intensity peak  $(5 \ 6)$  induced by said object to be characterised determining from said light intensity peak  $(5 \ 6)$  at least one property of said object.

No. of Pages : 20 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : HYDRAULIC CUSHIONING CYLINDER CONTROL METHOD THEREOF AND ENGINEERING MACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:F15B15/22 :201110070738.1 :23/03/2011 :China :PCT/CN2011/075660 :13/06/2011 :WO 2012/126207 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)HUNAN SANY INTELLIGENT CONTROL</li> <li>EQUIPMENT CO. LTD <ul> <li>Address of Applicant :Sany Industry Town Economic and</li> </ul> </li> <li>Technological Development Zone Changsha Hunan 410100 China</li> <li>2)SANY HEAVY INDUSTRY CO. LTD</li> <li>(72)Name of Inventor : <ul> <li>1)YI Xiaogang</li> <li>2)LUL Yangdong</li> </ul> </li> </ul>
Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	2)LIU Yongdong 3)HE Dian

#### (57) Abstract :

A hydraulic cushioning cylinder a control method thereof and an engineering machine comprising the hydraulic cushioning cylinder are provided. At least one of a rodless chamber (11) and a rod chamber (12) of the hydraulic cushioning cylinder is provided with a cushioning means and a cushioning chamber (13). The cushioning chamber (13) communicates with an external oil path via a throttle passage only. Said hydraulic cushioning cylinder also includes a pressure detecting member for detecting the pressure in said cushioning chamber (13) and sending the detected pressure signal. According to the detected signal the hydraulic cylinder can send an instruction to make a piston reverse or adjust the amount of oil supplied to said rodless chamber (11) or said rod chamber (12). The structure of the hydraulic cushioning cylinder is designed to reliably detect whether the piston moves to its place or the position near its place.

No. of Pages : 25 No. of Claims : 8

(22) Date of filing of Application :13/05/2013

#### (43) Publication Date : 21/11/2014

(54) Title of the invention : LNG VAPORIZATION EQUIPMENT		
<ul> <li>(54) Title of the invention : LNG VAPOF</li> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)IHI Corporation <ul> <li>Address of Applicant :1 1 Toyosu 3 chome Koto ku Tokyo</li> </ul> </li> <li>1358710 Japan <ul> <li>(72)Name of Inventor :</li> <li>1)YAMANAKA Yusuke</li> </ul> </li> </ul>

(57) Abstract :

LNG vaporization equipment i provided with a nitrogen supply device (2), a heater (4) for heating nitrogen supplied fiOm the nitrogen supply device, vaporizers (6A, 6B, 6C) for vaporizing LNG discharged from an LNG tank (1) by heat exchange between the nitrogen heated by the heater and the LNG, and a recirculation line (7) for recirculating the nitrogen after the heat exchange, which flows out from the vaporizers, into the heater after the nitrogen has been used for the reduction of the amount of generation of BOG or the reliquefaction thereof. The LNG vaporization equipment that can use LNG cold energy for the reduction of the amount of generation of BOG or the reliquefaction thereof can be provided by this configuration.

No. of Pages : 23 No. of Claims : 8

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : APPARATUS AND METHOD FOR TREATING AND RECYCLING TANNERY WASTEWATER BASED ON NANO CATALYTIC ELECTROLYSIS TECHNOLOGY AND MEMBRANE TECHNOLOGY

(51) International classification	:C02F9/14,C02F1/461,C02F1/44	(71)Name of Applicant :
(31) Priority Document No	:201010522958.9	1)BOYING XIAMEN SCIENCE AND TECHNOLOGY CO.
(32) Priority Date	:28/10/2010	LTD.
(33) Name of priority country	:China	Address of Applicant : ZHANG Shiwen 1st No.42 Xinglinxi
(86) International Application N	o:PCT/CN2011/076746	Road Jimei Xiamen Fujian 361000 China
Filing Date	:01/07/2011	(72)Name of Inventor :
(87) International Publication No :WO 2012/055263		1)ZHANG Shiwen
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date		
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.1 17 1	

#### (57) Abstract :

An apparatus for treating and recycling tannery wastewater based on nano catalytic electrolysis technology and membrane technology comprises a coarse grid filter (1) a regulating tank (2) a hydraulic screen (3) a nano catalytic electrolyzer (4) a reaction tank (5) sedimentation tank (6) an air floatation device (7) a biochemical tank (8) a secondary sedimentation tank (9) a secondary nano catalytic electrolyzer (10) a filter (11) and a membrane system (12). A method for treating and recycling tannery wastewater based on nano catalytic electrolysis technology and membrane technology is also provided. The steps of the method comprise nano catalytic electrolysis; flocculation; biochemical treatment; secondary catalytic electrolysis; filtration; and membrane filtration. The method has the advantages of high CODCr removal rate low consumption of chemical agents low production of sludge thorough treatment and high water recycling rate.

No. of Pages : 36 No. of Claims : 9

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD AND MEANS FOR CONTROLLING COMBUSTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> <li>(87) International Publication</li> </ul> </li> </ul>	:F02B75/28,F01B7/14,F02B33/08 :2010904668 :19/10/2010 :Australia :PCT/AU2011/001322 :17/10/2011 :WO 2012/051645	<ul> <li>(71)Name of Applicant :</li> <li>1)JBEC PTY LIMITED Address of Applicant :Suite 413 Locked Bag No. 1 Robina Town Centre Queensland 4230 Australia (72)Name of Inventor : 1)CASEY Alan Patrick </li> </ul>
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

(57) Abstract :

A method of charging an internal combustion engine with a fuel air mixture the engine having opposed pistons with a combustion chamber therebetween wherein the method includes forcing induction air during a compression stroke between a first and a second cylinder via a contraction and expansion or a venturi disposed between the first and second pistons.

No. of Pages : 22 No. of Claims : 14

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ROBOTIC SURVEYING INSTRUMENT AND METHOD FOR THE AUTOMATED AUTOCOLLIMATION OF A TELESCOPE OF A SURVEYING INSTRUMENT COMPRISING AN AUTOCOLLIMATION TARGET

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> </ul> </li> </ul>	:G01C15/00,G01B11/27 :10193428.9 :02/12/2010 :EPO :PCT/EP2011/071670 :02/12/2011 :WO 2012/072811 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LEICA GEOSYSTEMS AG Address of Applicant :Heinrich Wild Strasse CH 9435 Heerbrugg Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)LIENHART Werner</li> <li>2)NINDL Daniel</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract :

The invention relates to a method for automated autocollimation as an alignment of a telescope of a surveying instrument the telescope defining an optical axis such that the optical axis is perpendicular to a reflective surface of an autocollimation target in particular a coated plane mirror. The method comprises the following steps: a) aligning the telescope with the autocollimation target; b) illuminating a reticle in the telescope; c) focusing the telescope on infinite; d) acquiring the autocollimation target and the illuminated reticle (1) reflected by the reflective surface or the illuminated reticle by means of an image acquisition device arranged in the telescope or a second telescope; e) determining the reticle center in the image; f) determining the horizontal distance (px) and the vertical distance (py) of the reticle center from the optical axis of the telescope in the image; and g) converting the horizontal (px) and vertical (py) distances of the reticle center into a horizontal aberration angle (H) and a vertical aberration angle (V) of the current alignment of the telescope from the autocollimation alignment of the telescope.

No. of Pages : 55 No. of Claims : 12

#### (19) INDIA

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : THERMODYNAMIC SYSTEM PROVIDED WITH A PLURALITY OF COMPRESSORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:1060418 :13/12/2010 :France	<ul> <li>(71)Name of Applicant :</li> <li>1)DANFOSS COMMERCIAL COMPRESSORS <ul> <li>Address of Applicant :Route Dpartementale 28 ZI Lieudit Les</li> </ul> </li> <li>Communaux Reyrieux F 01600 Trevoux France</li> <li>(72)Name of Inventor : <ul> <li>1)BONNEFOI Patrice</li> <li>2)GALL Fabien</li> </ul> </li> </ul>
Filing Date (87) International Publication No	:WO 2012/080611	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The themriodynamic system (1) comprises a circuit (2) for circulating a refrigerant including a compression device (6) comprising a first and a second compressors (7, 8) each comprising a sealed enclosure (9) including a lowpressure portion (11) containing a motor (12) and an oil pan (13) positioned at the bottom of the enclosure, and a refrigerant intake opening (15) leading into the low-pressure portion, a refrigerant dispensing device arranged to connect an evaporator (5) to the intake opening (15) of the first compressor (7), an oil level equalization conduit (21) putting the oil pans (13) of the first and second compressors in communication, a connecting device (22) putting the lowpressure portion (11) of the first compressor (7) in communication with the intake opening (15) of the second compressor (8), and control means (28) arranged to control the starting and stopping of the first and second compressors according to four control modes.

No. of Pages : 25 No. of Claims : 15

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHODS AND DEVICES FOR FORMING A PREDICTION VALUE

Filing Date     .05/01/2012       (87) International Publication No:WO 2012/095350       (61) Patent of Addition to       Application Number       Filing Date       (62) Divisional to Application       Number	<ul> <li>(87) International Publication No.</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant :Wittelsbacherplatz 2 80333 M¼nchen Germany (72)Name of Inventor : 1)AMON Peter </li> </ul>
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(57) Abstract :

The invention relates to methods and to a device for forming a prediction value. A prediction direction is locally described by means of nonlinear trajectories wherein the prediction direction can be used in forming a prediction value. The invention has the advantage of a more accurate prediction determination. The invention can be used in image compression or image sequence compression.

No. of Pages : 25 No. of Claims : 10

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : IMPLANTABLE DEVICE FOR PREVENTIVE OR CURATIVE TREATMENT OF FRACTURES OF THE FEMUR ASSOCIATED ANCILLARY DEVICE

(51) International classification	:A61B17/74,A61B17/17	(71)Name of Applicant :
(31) Priority Document No	:10306265.9	1)HYPREVENTION
(32) Priority Date	:17/11/2010	Address of Applicant : Avenue du Haut Lv <sup>a</sup> que H'pital Xavier
(33) Name of priority country	:EPO	Arnozan F 33604 Pessac France
(86) International Application No	:PCT/FR2011/052664	(72)Name of Inventor :
Filing Date	:16/11/2011	1)VIENNEY Ccile
(87) International Publication No	:WO 2012/066236	2)SZPALSKI Marek
(61) Patent of Addition to Application	:NA	3)GUNZBURG Robert
Number	:NA :NA	4)AEBI Max
Filing Date	.11A	5)CORP Stphane
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The object of the invention is an implantable device for the preventive or curative treatment of fractures of the femur, more particularly of the hip joint comprising the femur (10), with the long bone (28) thereof defining a longitudinal axis XX, a femoral head (14), a femoral neck (22) with a longitudinal 5 axis intersecting with the longitudinal axis XX at an angle a, characterized in that it comprises: - A first implant (36) whose axis YY is provided to be arranged substantially along said longitudinal axis of the neck (22); - A second implant (38) whose axis ZZ is provided to intersect with the 10 axis of said first implant (36) at an intersection point S and provided to intersect with the longitudinal axis XX of the femur; and - A stationary connection (40) at point S.

No. of Pages : 30 No. of Claims : 13

(21) Application No.4148/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/05/2013

(43) Publication Date : 21/11/2014

#### (51) International classification :H04M15/00 (71)Name of Applicant : (31) Priority Document No **1)ZTE CORPORATION** :201010513828.9 (32) Priority Date Address of Applicant :ZTE Plaza Keji Road South Hi Tech :20/10/2010 (33) Name of priority country Industrial Park Nanshan District Shenzhen Guangdong 518057 :China (86) International Application No :PCT/CN2011/080619 China Filing Date :10/10/2011 (72)Name of Inventor : (87) International Publication No :WO 2012/051908 1)ZHANG Nanjun (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : METHOD AND DEVICE FOR CHARGING FOR VALUE ADDED SERVICES

#### (57) Abstract :

A method and a device for charging for value-added services are provided by the present invention. The method includes; in a charging matrix, if multiple called area codes corresponding to a same calling Jirea code have a same prefix and a same rate, the multiple called area codes are replaced by the same prefix, and the charging matrix is updated; the updated charging matrix is used for charging for value-added services which are initiated by the calling area code in the charging matrix. By means of the present invention, the amount of calculations is reduced, and the system maintenance difficulty is reduced.

No. of Pages : 20 No. of Claims : 10

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : MOUNTING ASSIST DEVICE FOR MOLD MAKING APPARATUS AND MOLD MAKING APPARATUS

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> </ul></li></ul>	:PCT/JP2011/071526 :21/09/2011 :WO 2012/063557 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SINTOKOGIO LTD. Address of Applicant :11 11 Nishiki 1 chome Naka ku Nagoya shi Aichi 4600003 Japan</li> <li>(72)Name of Inventor :</li> <li>1)TAKASU Shuji</li> <li>2)HADANO Yutaka</li> <li>3)ONO Tacahiro</li> </ul>
Numper	:NA	

#### (57) Abstract :

A mounting assist device for assisting in the mounting of a snap flask mold making apparatus (1) for operating electronic equipment pneumatic equipment and hydraulic equipment by operation of a controller (10) included in a control panel (6) and making a mold from molding sand. The device comprises a character displaying display (14) disposed in the control panel (6) and a touch panel (15) operated by a mounting operator to input switch operation signals. The controller (10) is provided with a storage unit (19) for pre storing information for allowing a mounting procedure performed during mounting of the molding device (1) to be displayed on the display (14). The controller (10) performs control so that characters of the mounting procedure that is read from the storage unit (19) are displayed on the display (14) and the mounting procedure progresses in sequence in an interactive fashion on the basis of switch input signals that are input from the touch panel (15).

No. of Pages : 67 No. of Claims : 12

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : SYSTEMS AND METHODS FOR AIR DEHUMIDIFICATION AND SENSIBLE COOLING USING A MULTIPLE STAGE PUMP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> </ul>	n :F24F3/14,B01D53/26,B01D53/22 :61/413327 :12/11/2010 :U.S.A. :PCT/US2011/060486 :11/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)THE TEXAS A&amp;M UNIVERSITY SYSTEM Address of Applicant :3369 Tamu College Station Texas</li> <li>77843 3369 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)CULP Charles H.</li> <li>2)CLARIDGE David E.</li> </ul>
(87) International Publication No	:WO 2012/065138	
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(2) Private Addition</li> </ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present disclosure relates to systems and methods for dehumidifying air by establishing a humidity gradient across a water selective permeable membrane in a dehumidification unit. Water vapor from relatively humid atmospheric air entering the dehumidification unit is extracted by the dehumidification unit without substantial condensation into a low pressure water vapor chamber operating at a partial pressure of water vapor lower than the partial pressure of water vapor in the relatively humid atmospheric air. For example water vapor is extracted through a water permeable membrane of the dehumidification unit into the low pressure water vapor chamber. As such the air exiting the dehumidification unit is less humid than the air entering the dehumidification unit. The low pressure water vapor extracted from the air is subsequently condensed and removed from the system at ambient conditions.

No. of Pages : 102 No. of Claims : 22

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : COMPOSITION COMPRISING A SEROTONIN RECEPTOR AGONIST AND A DIKETOPIPERAZINE FOR TREATING MIGRAINES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:09/11/2010 :U.S.A. :PCT/US2011/060057 :09/11/2011 :WO 2012/064892	<ul> <li>(71)Name of Applicant :</li> <li>1)MANNKIND CORPORATION Address of Applicant :28903 North Avenue Paine Valencia</li> <li>CA 91355 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)LEONE BAY Andrea</li> <li>2)STOWELL Grayson W.</li> <li>3)GUARNERI Joseph J.</li> <li>4)CARLSON Dawn M.</li> <li>5)GRANT Marshall</li> <li>6)SMUTNEY Chad C.</li> </ul>
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(57) Abstract :

A method for treating migraines is disclosed. The method utilizes a rapid drug delivery system which prevents deactivation or degradation of the active agent including small molecules and peptides being administered to a patient in need of treatment. In particular the drug delivery system is designed for inhalation for delivery of drugs to the pulmonary circulation in a rapid and therapeutically effective manner.

No. of Pages : 32 No. of Claims : 35

(19) INDIA

(22) Date of filing of Application :08/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : FLEXIBLE DEBULKING CATHETERS WITH IMAGING AND METHODS OF USE AND MANUFACTURE

(51) International classification	:A61B8/12	(71)Name of Applicant :
(31) Priority Document No	:61/412674	1)COVIDIEN LP
(32) Priority Date	:11/11/2010	Address of Applicant :15 Hampshire Street Mansfield
(33) Name of priority country	:U.S.A.	Massachusetts 02048 U.S.A.
(86) International Application No	:PCT/US2011/060203	(72)Name of Inventor :
Filing Date	:10/11/2011	1)FRULAND Benjamin
(87) International Publication No	:WO 2012/064966	2)GARVEY Zachary
(61) Patent of Addition to Application	:NA	3)GUGGENHEIMER Ethan
Number	:NA	4)MCPEAK Thomas
Filing Date	.INA	5)PEDERSEN John
(62) Divisional to Application Number	:NA	6)PETERSEN Scott
Filing Date	:NA	7)CRESCENZO Lindsay

#### (57) Abstract :

Catheters and methods for removing material from a body lumen while imaging the region comprised of the material are provided. The catheters can be used in body lumens including but not limited to intravascular lumens such as coronary or peripheral arteries. The catheters include housings (122) or other structures to mount or protect an imaging transducer (40). Generally debulking catheters include a proximal portion a distal portion having an opening a cutting element (4) which may be exposed through the opening to contact material in a body lumen and an imaging transducer with associated circuitry and display. The catheter debulks a body lumen when it is moved while the cutting element is in contact with the material in the lumen and the region comprised of the material is imaged before after or during catheter movement.

No. of Pages : 69 No. of Claims : 43

(21) Application No.4354/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SYSTEM AND METHOD FOR DETECTING PRESSURE IN A SUBTERRANEAN ENVIRONMENT (51) International classification :G01L9/00 (71)Name of Applicant : (31) Priority Document No 1)CHEVRON U.S.A. Inc. :12/908810 (32) Priority Date Address of Applicant :6001 Bollinger Canyon Road San :20/10/2010 (33) Name of priority country Ramon CA 95483 U.S.A. :U.S.A. (86) International Application No :PCT/US2011/056703 (72)Name of Inventor : 1)BECK David W. Filing Date :18/10/2011 (87) International Publication No :WO 2012/054475 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract :

A sensor is configured to sense pressure in an isolated or subterranean environment. The sensor is configured to act as a capacitor with a capacitance that varies as a function of pressure. The sensor has a robust design with minimal moving parts and in which any parts that do move do not communicate electrically through direct electrical conduction (e.g. through conductive leads). Instead moving parts that participate in the performance of sensor as a capacitor receive and dispense electrical charge only through a dielectric fluid (e.g. a gas or liquid within the sensor). This may reduce hysterysis lag and/or friction with respect to pressure dependent capacitor designs in which wiring is connected directly to moving parts.

No. of Pages : 37 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :10/05/2013

#### (43) Publication Date : 21/11/2014

(54) Title of the invention : ORAL CARE IMPLEMENT		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:A61B17/24 :NA :NA :PCT/US2010/060105 :13/12/2010 :WO 2012/082102 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)COLGATE PALMOLIVE COMPANY Address of Applicant :300 Park Avenue New York New York 10022 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)JIMENEZ Eduardo J.</li> </ul>

(57) Abstract :

An oral care implement for cleaning a user s tongue and/or soft tissue surfaces. In one aspect the invention can be an oral care implement comprising: a handle extending along a longitudinal axis; first and second prong members extending from a distal end of the handle each of the first and second prong members diverging from the longitudinal axis and having a distal end; a blade for scraping soft tissue the blade extending between the distal ends of the first and second prong members; and the blade integrally formed with the first and second prong members the first and second prong members transitioning into the blade at the distal ends of the first and second prong members.

No. of Pages : 25 No. of Claims : 27

(21) Application No.4360/DELNP/2013 A

(19) INDIA(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : CURRENT MODE POWER AMPLIFIER PROVIDING HARMONIC DISTORTION SUPPRESSION

(51) International classification	:H03F3/19,H03F3/24	(71)Name of Applicant :
(31) Priority Document No	:12/946697	1)QUALCOMM Incorporated
(32) Priority Date	:15/11/2010	Address of Applicant : Attn: International Ip Administration
(33) Name of priority country	:U.S.A.	5775 Morehouse Drive San Diego California 92121 U.S.A.
(86) International Application No	:PCT/US2011/060630	(72)Name of Inventor :
Filing Date	:14/11/2011	1)LEE Cheol Woong
(87) International Publication No	:WO 2012/068025	2)PARK Sunghyun
(61) Patent of Addition to Application	:NA	3)CHOI Jonghoon
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		•

(57) Abstract :

Current mode power amplifier providing harmonic distortion suppression. A current mode power amplifier includes a current steering stage configured to steer a scaled current based on differential voltage inputs a filtered current mirror connected to the current steering stage to receive the scaled current and produce a filtered output current and a resonant load configured to receive the output current and generate an output voltage signal for transmission.

No. of Pages : 25 No. of Claims : 27

(21) Application No.4361/DELNP/2013 A

(19) INDIA(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : RABIES GLYCOPROTEIN VIRUS LIKE PARTICLES (VLPS)

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:A61K9/127,A61K39/205 :61/410767 :05/11/2010 :U.S.A. :PCT/US2011/059602 :07/11/2011 :WO 2012/061815 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>NOVAVAX INC.</li> <li>Address of Applicant :9920 Belward Campus Drive Rockville</li> </ol> </li> <li>Maryland 20850 U.S.A.</li> <li>(72)Name of Inventor : <ol> <li>SMITH Gale</li> <li>LIU Ye</li> </ol> </li> </ul>
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(57) Abstract :

The present invention is generally related to virus like particles (VLPs) comprising rabies virus (RV) glycoproteins (G proteins) and methods for making and using them including immunogenic compositions such as vaccines for the treatment and/or prevention of rabies virus infection.

No. of Pages : 47 No. of Claims : 33

(19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : SUB FRAME CONFIGURATION		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:H04B7/26,H04B7/204 :NA :NA :NA :PCT/CN2010/078717 :15/11/2010 :WO 2012/065287 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)NOKIA SIEMENS NETWORKS OY <ul> <li>Address of Applicant :Karaportti 3 FI 02610 Espoo Finland</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)LIN Jiezhen</li> <li>2)SKOV Peter</li> <li>3)CHANG Jiang</li> <li>4)WU Chunli</li> <li>5)YAO Chunhai</li> </ul> </li> </ul>

(57) Abstract :

Transmitting an indication of a default configuration for a sub frame having a downlink transmission portion and an uplink transmission portion; transmitting an indication of a preferred configuration for said sub frame; and scheduling transmissions to and/or

from a communication device according to said preferred sub frame configuration.

No. of Pages : 40 No. of Claims : 38

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ELECTRICAL COMPONENT FOR SURFACE MOUNTING

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li></ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)TYCO ELECTRONICS AMP GMBH Address of Applicant : Amperestrasse 12 14 64625 Bensheim</li> </ul>
<ul><li>(32) Priority Date</li><li>(33) Name of priority</li></ul>	:05/11/2010	Germany (72)Name of Inventor :
country	:Germany	1)FRANK Oliver
(86) International Application No Filing Date	:PCT/EP2011/069096 :31/10/2011	2)FERTIG Jochen 3)NEUBERT Lutz 4)SCHMITT Thomas
(87) International Publication No	:WO 2012/059451	5)DIETRICH Willi 6)SPIELVOGEL Michael
(61) Patent of Addition to Application Number Filing Date	:NA :NA	7)KIEFNER Ulrich 8)DAVID Sebastian
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The present invention relates to an electrical component (1) in particular for surface mounting comprising a housing body

(2) preferably configured as a housing block (2a) comprising a plurality of contact pins (3) which project from the housing body (2) at least in portions and comprising at least one orientation element (6) on which at least in the operating position thereof the contact pins (3) rest orientated along a predetermined contact contour (K) at least in portions. According to the invention by installing the at least one orientation element (6) with spacing from the housing body (2) a component can be provided which is simple and cost effective to produce versatile and can be fitted in a reliable manner.

No. of Pages : 28 No. of Claims : 14

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : ATTACHMENT RING FOR ATTACHING A SHIELD OF AN ELECTRICAL CABLE TO BACKSHELL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication</li> </ul>	:H01R4/01,H01R13/58,H01R9/03 :12/939279 :04/11/2010 :U.S.A. :PCT/US2011/057525 :24/10/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)TYCO ELECTRONICS CORPORATION Address of Applicant :1050 Westlakes Drive Berwyn PA</li> <li>19312 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)MYONG Inho</li> </ul>
No	:WO 2012/061077	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An attachment ring (16) is provided for attaching a shield (18) of an electrical cable (12) to a backshell (14). The attachment ring includes an annular body (26) including a shape memory material that is heat recoverable. The body is configured to extend at least partially around the shield and a fitting (24) of the backshell to hold the shield on the fitting in contact with the fitting. The body includes a first segment (28) including an end (50) having a connection member (58a). The body also includes a second segment (30) that is discrete from the first segment. The second segment includes an end (54) having a connection feature (60a). The connection feature of the second segment is interlocked with the connection member of the first segment to connect the first and second segments together at the ends such that the first and second segments define at least a portion of a length of the body.

No. of Pages : 26 No. of Claims : 10

(12) PATENT APPLICATION PUBLICATION	
(10) INIDIA	

(19) INDIA

(22) Date of filing of Application :13/05/2013

(54) Title of the invention : DRILL BIT

(51) International classification	:A61B17/16,B23B51/02	(71)Name of Applicant :
(31) Priority Document No	:2010905238	1)CPL HOLDINGS PTY LTD
(32) Priority Date	:26/11/2010	Address of Applicant :125A Fassifern Road Blackalls Park
(33) Name of priority country	:Australia	NSW 2283 Australia
(86) International Application No	:PCT/AU2011/001539	(72)Name of Inventor :
Filing Date	:25/11/2011	1)ELLIS Liam Patrick
(87) International Publication No	:WO 2012/068641	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1111	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A drill bit (1) has a central axis (A) and comprises a tapered cutting end part (2) terminating in a drill tip (3) at one end of the drill bit (1) a shank (4) extending from an opposing end of the drill bit (1) and a body (4a) extending between the cutting end part (2) and the shank (4). A plurality of flutes (5) are formed in the drill bit (1) and helically extend along the body (4a) into the cutting end part (2). Each flute (5) has a flute leading side wall (6) and a flute trailing side wall (7). A land (9) is defined on the body (4a) between each of the flutes (5) and extends to the cutting end part (2). In any body cross sectional plane extending perpendicular to the central axis (A) through the body (4a) a land leading edge region (11) of each land (9) adjoining the flute trailing side wall (7) of a leading adjacent flute (5) is convexly curved.

No. of Pages : 42 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : A PROCESS FOR THE PREPARATION OF PURE MEROPENEM TRIHYDRATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:C07D477/20 :2520/DEL/2010 :22/10/2010 :India :PCT/IB2011/054727 :21/10/2011 :WO 2012/052978 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)RANBAXY LABORATORIES LIMITED Address of Applicant :Head Office: 12th Floor Devika Tower</li> <li>06 Nehru Place New Delhi Delhi 110019 India</li> <li>(72)Name of Inventor :</li> <li>1)SHARMA Prashant Kumar</li> <li>2)VASHISHTA Bhupendra</li> <li>3)SINGH Shailendra K.</li> <li>4)TIWARI Neera</li> <li>5)DHAR Subhash</li> </ul>
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(57) Abstract :

The present invention relates to a process for the preparation of pure meropenem trihydrate.

No. of Pages : 20 No. of Claims : 6

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : CATHODICALLY COLORING YELLOW SOLUBLE ELECTROCHROMIC AND LIGHT EMITTING POLYMERS

(51) International classification	:C09K9/02,C09K11/06,C07D213/06	(71)Name of Applicant : 1)UNIVERSITY OF FLORIDA RESEARCH
(31) Priority Document No	:61/407615	FOUNDATION INC.
(32) Priority Date	:28/10/2010	Address of Applicant :223 Grinter Hall Gainesville FL 32611
(33) Name of priority country	y:U.S.A.	U.S.A.
(86) International	:PCT/US2011/058070	(72)Name of Inventor :
Application No	:27/10/2011	1)AMB Chad Martin
Filing Date	.27/10/2011	2)KERSZULIS Justin Adam
(87) International Publication	<sup>1</sup> :WO 2012/058416	3)REYNOLDS John R.
No	. WO 2012/030410	4)DYER Aubrey Lynn
(61) Patent of Addition to	:NA	5)THOMPSON Emily
Application Number	:NA	
Filing Date	.117	
(62) Divisional to	:NA	
Application Number	:NA	
Filing Date	.1 1/ 1	

#### (57) Abstract :

Embodiments of the invention are directed to yellow to transmissive conjugated polymers a method to prepare the yellow conjugated polymers in an electrochromic and/or electroluminescent device comprising neutral state primary subtractive colored conjugated polymers and a method to prepare the device comprising the yellow conjugated polymer. The yellow conjugated polymers comprise a sequence of dioxythiophene units alternating with aromatic units thiophene units furan units and/or pyrrole units. The yellow conjugated polymers are prepared by cross condensation reactions. The yellow conjugated polymers can be soluble and preparation of the device involves deposition of the yellow conjugated polymer from solution onto a surface.

No. of Pages : 34 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD OF PERFORMING A FINITE ELEMENT ANALYSIS OF A COMPOSITE STRUCTURE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:G06F17/50 :NA :NA :NA :PCT/US2010/053986 :25/10/2010 :WO 2012/057735 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SAEBI Nasser</li> <li>Address of Applicant :18231 N. 66th Street Glendale AZ</li> <li>85308 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)SAEBI Nasser</li> </ul>
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#### (57) Abstract :

The invention provides a method of analyzing a building made from a core of foam plastic which is coated on the inside and outside with a strengthening coating. The building is designed in a CAD program in a computer. Then the building surfaces are meshed in an automeshing program as one piece. Plates are added to the inner outer and edge surfaces of the core by using copying at zero distance. The core is Solid Meshed. The boundary conditions are chosen for the boundary nodes. Appropriate characteristics of the EPS and GFRC have been assigned to the core and plates. A FEA analysis can be run.

No. of Pages : 51 No. of Claims : 4

(22) Date of filing of Application :15/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : HERBICIDAL COMPOSITION

<ul> <li>(51) International</li> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> <li>(87) International</li> </ul> </li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> <li>Filing Date</li> </ul> </li> </ul>	:A01N47/38,A01N41/10,A01N47/06 :2010237558 :22/10/2010 :Japan :PCT/JP2011/074373 :18/10/2011 :WO 2012/053652 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ISHIHARA SANGYO KAISHA LTD. Address of Applicant :3 15 Edobori 1 chome Nishi ku Osaka shi Osaka 5500002 Japan</li> <li>(72)Name of Inventor :</li> <li>1)KIKUGAWA Hiroshi</li> <li>2)SATAKE Yoshikazu</li> </ul>
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#### (57) Abstract :

Many herbicidal compositions have been developed and used but there are many types of weeds to be controlled and their development lasts for a long period of time. Accordingly it has been desired to develop a herbicidal composition having a wider herbicidal spectrum and having a highly active and long lasting herbicidal activity. The present invention provides a herbicidal composition which comprises as active ingredients (a) at least one herbicidal compound selected from the group consisting of a benzoylpyrazole compound represented by the formula (I): (wherein each of R R R R and R is alky and R is alkoxyalkoxy) sulcotrione and topramezone and (b) amicarbazone.

No. of Pages : 28 No. of Claims : 12

#### (19) INDIA

(22) Date of filing of Application :13/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : TYRE RETREADING METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country :Italy</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> <li>(63) Divisional to Application Number Filing Date</li> <li>(64) Patent</li> <li>(65) Divisional to Application Number Filing Date</li> <li>(65) Divisional to Application Number Filing Date</li> <li>(65) Divisional to Application Number Filing Date</li> </ul>	1) BRIDGES FORE CORPORATION         Address of Applicant :10 1 Kyobashi 1 Chome Chuo Ku         Tokyo 104 8340 Japan         (72)Name of Inventor :         1) FORTE Gianluca         2)MAIURI Giovanbattista
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(57) Abstract :

The invention relates to a tyre retreading method wherein a new tread is applied to a worn tyre casing and to a filler for filling cavities in a casing of a tyre for retreading. The method includes a step of cleaning the casing; and a step of filling in holes in the casing with a filler material including a thermosetting organic compound or a thermosetting polymer compound in the group including epoxy compound and phenol compound.

No. of Pages : 11 No. of Claims : 14

(22) Date of filing of Application :13/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : ORAL COMPOSITIONS

(32) Priority Date:13/12/2010(33) Name of priority country:U.S.A.(86) International Application:PCT/US2011/063367No:06/12/2011	<ul> <li>71)Name of Applicant :</li> <li>1)COLGATE PALMOLIVE COMPANY Address of Applicant :300 Park Avenue New York New York 10022 U.S.A. 72)Name of Inventor : 1)GU Ben 2)HASSAN Mahmoud</li></ul>
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(57) Abstract :

Described herein are films compositions containing the films and methods of preparing a dentifrice comprising the films wherein the films contain a low solubility flavorant.

No. of Pages : 22 No. of Claims : 24

(21) Application No.4241/DELNP/2013 A

(19) INDIA(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:B65D75/32,B65D75/36	(71)Name of Applicant :
(31) Priority Document No	:NA	1)COLGATE PALMOLIVE COMPANY
(32) Priority Date	:NA	Address of Applicant :300 Park Avenue New York NY 10022
(33) Name of priority country	:NA	U.S.A.
(86) International Application No	:PCT/US2010/060095	(72)Name of Inventor :
Filing Date	:13/12/2010	1)NGUYEN Quang
(87) International Publication No	:WO 2012/082099	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : EASY OPENING DISPLAY PACKAGE FOR MERCHANDISE

(57) Abstract :

A display package (20) for an item of merchandise e.g. a toothbrush. The package is formed of a first wall member (24) e.g. a blister body having a recess and a peripheral flange. A second elongated wall member (26) e.g. a planar sheet of film having an inner surface and an outer surface is fixedly secured by its inner surface to the peripheral flange of the first wall member to enclose the item of merchandise therebetween. The second wall member includes an access window (40) formed by a pair of elongated frangible lines (42 44) and an access slit (46). Each of the frangible lines is cut only partially through the thickness of the second wall member starting from the inner surface of the second wall member. The access slit is located at one end of each of the frangible lines. The window is arranged to be opened by a user grasping portions of the second wall member at the access slit to break the frangible lines and thereby provide access to the item of merchandise.

No. of Pages : 10 No. of Claims : 9

(19) INDIA(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : PLIABLE WALL AIR DUCTS WITH INTERNAL EXPANDING STRUCTURES		
(51) International classification	:F24F13/02,F16L11/02	(71)Name of Applicant :
(31) Priority Document No	:12/950511	1)RITE HITE HOLDING CORPORATION
(32) Priority Date	:19/11/2010	Address of Applicant :8900 North Arbon Drive Milwaukee WI
(33) Name of priority country	:U.S.A.	53223 U.S.A.
(86) International Application No	:PCT/US2011/059199	(72)Name of Inventor :
Filing Date	:03/11/2011	1)PINKALLA Cary
(87) International Publication No	:WO 2012/091795	2)HEIM Frank
(61) Patent of Addition to Application	:NA	3)GEBKE Kevin J.
Number	:NA	4)KAUFMAN Nicholas L.
Filing Date	.NA	5)NIEHAUS William A.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

Pliable wall air ducts with internal expanding structures are disclosed. An example air duct system includes a shaft to be disposed within an air duct to extend in a longitudinal direction and to be in longitudinal compression. The air duct system also includes a plurality of ribs to be coupled to the shaft and to engage an inner surface of the air duct and a spring to be disposed within the air duct the spring to be coupled to the shaft. The spring under stress being a contributing factor in both the shaft being in longitudinal compression and the air duct being in longitudinal tension. A method of retrofitting an existing air duct system with internal expanding structure is also disclosed.

No. of Pages : 79 No. of Claims : 74

(21) Application No.4243/DELNP/2013 A

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:C09D5/00	(71)Name of Applicant :
(31) Priority Document No	:12/906001	1)BUNGE AMORPHIC SOLUTIONS LLC
(32) Priority Date	:15/10/2010	Address of Applicant :50 Main Street 7th Floor White Plains
(33) Name of priority country	:U.S.A.	NY 10606 U.S.A.
(86) International Application No	:PCT/US2011/056448	(72)Name of Inventor :
Filing Date	:14/10/2011	1)FOSCANTE Raymond E.
(87) International Publication No	:WO 2012/051580	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : COATING COMPOSITIONS WITH ANTICORROSION PROPERTIES

(57) Abstract :

Anticorrosive coating compositions as disclosed comprise a binding polymer and an aluminum phosphate corrosion inhibiting pigment dispersed therein. The coating composition comprises up to 25 percent by weight aluminum phosphate. The binding polymer can include solvent borne polymers water borne polymers solventless polymers and combinations thereof. The aluminum phosphate is made by sol gel process of combining an aluminum salt with phosphoric acid and a base material. Aluminum phosphate colloidal particles are nanometer sized and aggregate to form substantially spherical particles. The coating composition provides a controlled delivery of phosphate anions of 100 to 1 500 ppm depending on post formation treatment of the aluminum phosphate and has a total solubles content of less than 1500 ppm The amorphous aluminum phosphate is free of alkali metals and alkaline earth metals and has a water adsorption potential of up to about 25 percent by weight water when present in a cured film.

No. of Pages : 40 No. of Claims : 91

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : MINIATURIZED INTEGRATED MICRO ELECTO MECHANICAL SYSTEMS (MEMS) OPTICAL SENSOR ARRAY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:G01N29/02,G01N29/24 :61/409111 :01/11/2010 :U.S.A. :PCT/IB2011/054000 :13/09/2011 :WO 2012/059828 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)KOC UNIVERSITESI <ul> <li>Address of Applicant :Rumeli Feneri Yolu Sariyer 34450</li> </ul> </li> <li>Istanbul Turkey </li> <li>(72)Name of Inventor : <ul> <li>1)UREY Hakan</li> <li>2)ALACA Burhanettin Erdem</li> <li>3)TIMURDOGAN Erman</li> </ul> </li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

This invention describes a method and apparatus for actuation and multiplexed sensing using an array of sensing elements. The invention can be used for label free detection of biological and chemical agents in a robust miniaturized package. The invention integrates photonics CMOS electronics and Micro/Nano system technologies and allows multi analyte sensing in the same package. The preferred actuation method is using magnetic thin films and preferred sensing method is optical using interference means.

No. of Pages : 54 No. of Claims : 57

(19) INDIA

(22) Date of filing of Application :10/05/2013

#### (43) Publication Date : 21/11/2014

(54) Title of the invention : ADI	HESIVES AND USE THEREOF	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul></li></ul>	:C08L67/08,C09J5/06,C09J11/06 :10190752.5 :10/11/2010 :EPO :PCT/US2011/058719 :01/11/2011 :WO 2012/064550 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)THE PROCTER &amp; GAMBLE COMPANY Address of Applicant :One Procter &amp; Gamble Plaza Cincinnati Ohio 45202 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)CORZANI Italo</li> <li>2)LUNETTO Pietro</li> <li>3)SAIZ Giuseppe</li> </ul>

(57) Abstract :

Disclosed herein is a new use for thermoplastic oil modified alkyd resins. It has now been found that such resins can be used as the predominant component of a hot melt adhesive which can be employed for instance as a construction adhesive in the manufacture of disposable absorbent articles. The composition also includes a copolymer formed from at least two monomer types of which at least one monomer type is a polar monomer and at least one monomer type is an apolar monomer and a solid plasticizer.

No. of Pages : 39 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : THIOPHENE AZO DYES AND LAUNDRY CARE COMPOSITIONS CONTAINING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)THE PROCTER &amp; GAMBLE COMPANY Address of Applicant :One Procter &amp; Gamble Plaza Cincinnati Ohio 45202 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)MIRACLE Gregory Scot</li> <li>2)MAHAFFEY Robert Linn Jr.</li> <li>3)HONG Xiaoyong Michael</li> <li>4)TORRES Eduardo</li> <li>5)VALENTI Dominick Joseph</li> </ul>
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#### (57) Abstract :

This application relates to thiophene azo dyes for use as hueing agents laundry care compositions comprising such thiophene azo dyes processes for making such thiophene azo dyes and laundry care compositions and methods of using the same. The thiophene azo dyes contain a formally charged moiety and are generally comprised of at least two components: at least one chromophore component and at least one polymeric component. Suitable chromophore components generally fluoresce blue red violet or purple color when exposed to ultraviolet light or they may absorb light to reflect these same shades. These thiophene azo dyes are advantageous in providing a hueing effect for example a whitening effect to fabrics while not building up over time and causing undesirable blue discoloration to the treated fabrics. The thiophene azo dyes are also generally stable to bleaching agents used in laundry care compositions.

No. of Pages : 108 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :10/05/2013

(54) Title of the invention : ELECTROLY	YSIS APPARATUS	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul> </li> <li>Number <ul> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul> </li> </ul>	:C25C7/00,C25C7/02 :1019613.7 :18/11/2010 :U.K.	<ul> <li>(71)Name of Applicant :</li> <li>1)METALYSIS LIMITED Address of Applicant :Unit 2 Farfield Park Manvers Way Wath upon Dearne Rotherham S63 5DB U.K. (72)Name of Inventor : 1)DUDLEY Peter G. 2)WRIGHT Allen Richard</li></ul>

(57) Abstract :

A removable electrode module for engagement with an electrolysis chamber comprises a first electrode (20) a second electrode (30) and a suspension structure. The suspension structure comprises a suspension rod (110) coupled to the first electrode. The second electrode is suspended or supported by the suspension structure which comprises at least one electrically insulating spacer element (60) for retaining the second electrode in spatial separation from the first electrode.

No. of Pages : 46 No. of Claims : 69

(21) Application No.4198/DELNP/2013 A

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD AND SYSTEM FOR ELECTROLYTICALLY REDUCING A SOLID FEEDSTOCK

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul> </li> </ul>	:C25C3/00,C25C7/00,C22B34/12 :1019572.5 :18/11/2010 :U.K. :PCT/GB2011/001631 :18/11/2011 :WO 2012/066299 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)METALYSIS LIMITED Address of Applicant :Unit 2 Farfield Park Manvers Way Wath upon Dearne Rotherham S63 5DB U.K. (72)Name of Inventor : 1)DUDLEY Peter G 2)WRIGHT Allen Richard</li></ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

In a method of electrolytically reducing a solid feedstock for example a solid metal oxide feedstock an electrode module (10) is positioned in a first position to be loaded with the feedstock. The loaded module is then transferred from the first position and engaged with an electrolysis chamber (220) containing a molten salt. A voltage is applied to the electrode module to reduce the solid feedstock. The loaded module may be transferred within a transfer module.

No. of Pages : 50 No. of Claims : 22

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : DEVICE AND SYSTEM FOR MONITORING A PNEUMATICALLY ACTUATED ALTERNATING LINEAR DISPLACEMENT PUMP

(51) International classification	:F04B9/123,F04B9/125,F04B9/127	(71)Name of Applicant : 1)EXEL INDUSTRIES
(31) Priority Document No	:1150644	Address of Applicant :54 rue Marcel Paul F 51200 Epernay
(32) Priority Date	:27/01/2011	France
(33) Name of priority country	:France	(72)Name of Inventor :
(86) International Application No Filing Date	:PCT/FR2012/050158 :24/01/2012	1)DE TALHOUET Philippe 2)MOSNIER Cdric
(87) International Publication No	:WO 2012/101379	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The invention relates to a device for monitoring a pneumatically-actuated alternating linear displacement pump, and to a system for monitoring a pneumatically-actuated alternating linear displacement pump, which comprise a means for sensing pneumatic pressure, a means for transmitting a signal representative of the sensed pneumatic pressure, and a means for managing the pneumatically-actuated alternating linear displacement pump in accordance with the transmitted signal representative of the sensed pneumatic pressure.

No. of Pages : 18 No. of Claims : 10

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : ARRANGEMENT AND METHOD FOR CONVERTING THERMAL ENERGY TO MECHANICAL ENERGY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> </ul>	:F02G5/02,F01K23/06,F01N5/02 :10512697 :01/12/2010 :Sweden :PCT/SE2011/051399	<ul> <li>(71)Name of Applicant :</li> <li>1)SCANIA CV AB Address of Applicant :S 151 87 Sdertlje Sweden</li> <li>(72)Name of Inventor :</li> <li>1)HALL Ola</li> </ul>
No Filing Date	:22/11/2011	
(87) International Publication N	o:WO 2012/074457	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to an arrangement and a method for converting thermal energy to mechanical energy. The arrangement comprises a line circuit (3) circulation means (4) for circulating a refrigerant in the line circuit (3) an evaporator (6) in which the refrigerant is intended to be vaporised by a heat source (7) a turbine (9) adapted to being driven by the vaporised refrigerant a condenser (12) in which the refrigerant is intended to be cooled so that it condenses and an accumulator tank (14) for storage of the refrigerant which is not being circulated in the line circuit (3). The arrangement comprises control means adapted to estimating the degree of filling of the line circuit (3) with refrigerant at which the turbine (9) achieves a substantially optimum effect in prevailing operating conditions and to controlling the flow of refrigerant between the line circuit (3) and the accumulator tank (14) in such a way that the estimated degree of filling with refrigerant is achieved in the line circuit (3).

No. of Pages : 18 No. of Claims : 10

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD AND SYSTEM FOR TRANSMITTING AND RECEIVING DATA COMING FROM AN AIRCRAFT BLACK BOX

(51) International classification	:G07C5/00,G08G5/00	(71)Name of Applicant :
(31) Priority Document No	:1059336	1)AIRBUS
(32) Priority Date	:12/11/2010	Address of Applicant :1 Rond Point Maurice Bellonte 31700
(33) Name of priority country	:France	Blagnac France
(86) International Application No	:PCT/FR2011/000605	(72)Name of Inventor :
Filing Date	:14/11/2011	1)LEROY Amaury
(87) International Publication No	:WO 2012/062982	2)VERMANDE Sverine
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for transmitting data, characterized in that it comprises a step of transmitting in- flight data between a first aircraft (30) and at least a second aircraft (32), the data transmitted being data stored in at least one black box (12, 14) on board the first aircraft (30).

No. of Pages : 29 No. of Claims : 14

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : AQUEOUS POLYURETHANE COATING MATERIAL AND COATINGS PRODUCED THEREFROM AND HAVING HIGH SCRATCH RESISTANCE AND GOOD CHEMICALS RESISTANCE

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li></ul>	:C08G18/08,C08G18/18,C08G18/28 :61/434485	<ul> <li>(71)Name of Applicant :</li> <li>1)BASF COATINGS GMBH Address of Applicant :Glasuritstrasse 1 48165 M¼nster</li> </ul>
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:20/01/2011	Germany (72) <b>Name of Inventor :</b>
<ul> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:PCT/EP2012/050096 :04/01/2012	1)GROENEWOLT Matthijs 2)NIEMEIER Manuela 3)STBBE Wilfried 4)STEFFENS Alexandra
No (61) Patent of Addition to Application Number	:NA	5)SCHNIEDERS Britta
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract :

The invention relates to aqueous coating materials comprising at least one hydroxyl containing compound (A) at least one compound (B) having isocyanate groups and also having hydrolysable silane groups and at least one catalyst (C) characterized in that the compound (B) has up to less than 90 mol% of at least one structural unit (I) N(X SiR x(OR )3 x)n(X SiR y(OR )3 y)m (I) where R = hydrogen alkyl or cycloalkyl X X = linear and/or branched alkylene or cycloalkylene radical having 1 to 20 carbon atoms R = alkyl cycloalkyl aryl or aralkyl n = 0 to 2 m = 0 to 2 m+n = 2 and also x y = 0 to 2 and more than 10 to 90 mol% of at least one structural unit (II) Z (X SiR x(OR )3 x) (II) where Z = NH NR O S with R = alkyl cycloalkyl aryl or aralkyl and x X R and R have the definition indicated for formula (I). Additionally provided by the present invention are multi stage coating methods using these coating materials and also the use of the coating materials as clearcoat material and application of the coating method for automotive refinishing and/or for the coating of plastics substrates.

No. of Pages : 67 No. of Claims : 15

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METHOD AND APPARATUS FOR PRODUCING AN ENVIRONMENTALLY FRIENDLY ABSORBENT STRUCTURE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication</li> </ul>	:PCT/EP2011/005286 :20/10/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)VYNKA BVBA Address of Applicant :Sint Janstraat 7 BE 9220 Hamme Belgium</li> <li>(72)Name of Inventor :</li> <li>1)VAN MALDEREN Bart</li> </ul>
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

#### (57) Abstract :

The present invention relates to a method and apparatus for forming a composite structure preferably for use in an absorbent structure used within the personal hygiene industry such as for instance feminine hygiene garments baby diapers and pants and adult incontinence garments. The present invention preferably provides a method and apparatus for depositing particulate material in a desired pattern onto a moving carrier layer and positioning it into a pocketing pattern. The method allows accurate forming of a pre determined pattern of particulate material clusters at high production speed with reduced raw material usage and relative low cost. As such method allows manufacturing of absorbent structures being substantially cellulose free and substantially glue free considered technically economically and environmentally friendly. The present invention foresees in the need for an improved thin flexible lightweight particulate material absorbent structure which overcomes the problems of the prior art having optimal absorption distribution and retention.

No. of Pages : 52 No. of Claims : 15

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : PUMPING MECHANISM DISTRIBUTING VALVE THEREOF AND CONCRETE PUMPING MACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:F16K11/08 :201110103005.3 :22/04/2011 :China :PCT/CN2011/075795 :16/06/2011 :WO 2012/142788 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)HUNAN SANY INTELLIGENT CONTROL</li> <li>EQUIPMENT CO. LTD <ul> <li>Address of Applicant :Sany Industry Town Economic and</li> <li>Technological Development Zone Changsha Hunan 410100 China</li> <li>2)SANY HEAVY INDUSTRY CO. LTD</li> <li>(72)Name of Inventor :</li> <li>1)LIANG Yongjiao</li> <li>2)LIU Guifeng</li> </ul> </li> </ul>
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#### (57) Abstract :

A pumping mechanism and the distributing valve thereof and a concrete pumping machine are disclosed. The distributing valve includes a valve casing (100) and a valve core (200) located in the pumping chamber of the valve casing. The valve core is rotatablely connected to the valve casing thus forming a main rotating axis (O). The valve casing has a discharge hole (103) throughout the casing wall a first suction hole (101) and a second suction hole (102). The valve core has a distributing port (202) and a feed port (201) communicated with a material container. A pumping channel is formed between the peripheral face of the valve core and the inner wall face of the pumping chamber. The peripheral face of the valve core is provided with two cutting plates (210) protruding from two sides of the distributing port respectively. The outer side faces of the two cutting plates are rotatablely sealing matched with the sealing face of the valve casing. In the first state the distributing port is communicated with the first suction hole through the space between the two cutting plates. In the second state the distributing port is communicated with the second suction hole through the space between the two cutting plates. The distributing valve has a smaller matching area for cutting so as to ensure the better sealing performance whilst have the higher driving performance.

No. of Pages : 25 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : PIPELINE SYSTEM AND METHOD FOR OPERATING A PIPELINE SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:H04B13/00,F17D5/00 :102010062191.9 :30/11/2010 :Germany :PCT/EP2011/069129 :31/10/2011 :WO 2012/072355 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SIEMENS AKTIENGESELLSCHAFT <ul> <li>Address of Applicant :Wittelsbacherplatz 2 80333 M¼nchen</li> </ul> </li> <li>Germany </li> <li>(72)Name of Inventor : <ul> <li>1)SOLLACHER Rudolf</li> <li>2)WUCHENAUER Thomas</li> </ul> </li> </ul>
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#### (57) Abstract :

The invention relates to a monitoring system for protecting pipelines (10) from damage in particular due to construction work in the vicinity of the pipeline. For corrosion protection the pipeline (10) uses a cathode protection system (20) which has a number of ground rods (21) arranged in the ground each of which is electrically connected to the ground and is electrically coupled to the pipeline (10) linked to the ground. In order to keep the complexity of the pipeline system low with respect to the communications infrastructure communication between the communication devices (30) takes place via the pipeline (10) itself. The communication devices (30) comprise sensor units (40) and access nodes (32) to a central processing unit (33). Sensor units (40) arranged along the pipeline are used to detect signals and are supplied with energy by the cathode protection system (20). Thus no separate energy supply is needed. In order to be able to draw all the energy needs from the cathode protection system (20) each of the energy self sufficient sensor units (40) is equipped with such components that allow communication using low complex modulation methods. By signal processing of detected ground tremors and by classification only incidents considered to be critical are transmitted in the form of alarm messages to the access nodes (32).

No. of Pages : 31 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:C12N9/64	(71)Name of Applicant :
(31) Priority Document No	:61/416622	1)ALLERGAN INC.
(32) Priority Date	:23/11/2010	Address of Applicant :2525 Dupont Drive Irvine California
(33) Name of priority country	:U.S.A.	92612 U.S.A.
(86) International Application No	:PCT/US2011/061334	(72)Name of Inventor :
Filing Date	:18/11/2011	1)FOTHERINGHAM Ian
(87) International Publication No	:WO 2012/071257	2)SHEFFIELD Peter J.
(61) Patent of Addition to Application	·NT A	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (54) Title of the invention : COMPOSITIONS AND METHODS OF PRODUCING ENTEROKINASE IN YEAST

(57) Abstract :

The present specification disclose polynucleotide molecules encoding an enterokinase yeast expression constructs including a yeast expression vector and a polynucleotide molecules encoding an enterokinase yeast cells comprising such a yeast expression construct methods of producing enterokinase using such yeast cells and method of cleaving or preparing a recombinant polypeptide using an enterokinase produced by such methods.

No. of Pages : 39 No. of Claims : 15

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PROCESSES FOR THE POLYMERIZATION OF OLEFINS WITH EXTRACTED METAL CARBOXYLATE SALTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> </ul>	:C08F10/00,C08F2/00 :61/418069 :30/11/2010 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)UNIVATION TECHNOLOGIES LLC Address of Applicant :5555 San Felipe Suite 1950 Houston TX 77056 U.S.A.</li> <li>(72)Name of Inventor :</li> </ul>
(86) International Application No Filing Date	:PCT/US2011/060198 :10/11/2011	
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li></ul>	:WO 2012/074709 :NA :NA	3)CANN Kevin Joseph 4)KUO Chi i 5)SAVATSKY Bruce Jon
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	6)MARKEL Eric J. 7)ZILKER Daniel Paul Jr. 8)AGAPIOU Agapios Kyriacos 9)GLOWCZWSKI David M.

(57) Abstract :

Processes for the polymerization of olefins with extracted metal carboxylate salts are provided. The polymerization processes have increased productivity and/or increased resin bulk density.

No. of Pages : 37 No. of Claims : 21

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : COMPOSITION COMPRISING HEAT LABILE MILK PROTEINS AND PROCESS FOR PREPARING SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:A23L1/29,A23L1/305,A23C9/15 :12/984660 :05/01/2011 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)MJN U.S. HOLDINGS LLC Address of Applicant :2701 Patriot Boulevard 4th Floor Glenview IL 60026 U.S.A.</li> </ul>
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>		<ul> <li>(72)Name of Inventor :</li> <li>1)BANAVARA Dattatreya</li> <li>2)ALVEY John D.</li> <li>3)GONZALEZ Juan M.</li> </ul>
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

A method for preparing compositions comprising heat labile milk proteins is disclosed herein. In certain embodiments the method involves subjecting a first composition comprising a fat or lipid source and a protein source to a temperature of at least about 130°C and combining the first composition with a second composition comprising a heat labile milk protein. In another embodiment the method includes combining a first composition comprising a fat or lipid source and a protein source that has been subjected to a temperature of at least about 130°C with a composition comprising a heat labile milk protein to form a third composition including a fat or lipid source and a protein source and a heat labile milk protein and packaging the third composition aseptically.

No. of Pages : 24 No. of Claims : 19

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR INHIBITING PATHOGENS USING A NUTRITIONAL COMPOSITION

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> </ul>	:A23J1/20,A23L1/29,A23L1/305 :12/980808 :29/12/2010 :U.S.A. :PCT/US2011/065231 :15/12/2011 :WO 2012/091946 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>MJN U.S. HOLDINGS LLC</li> <li>Address of Applicant :2701 Patriot Boulevard 4th Floor</li> </ol> </li> <li>Glenview IL 60026 U.S.A.</li> <li>(72)Name of Inventor : <ol> <li>WITTKE Anja</li> <li>MUNOZ Cecilia</li> <li>BANAVARA Dattatreya</li> <li>MCMAHON Robert J.</li> </ol> </li> </ul>
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(57) Abstract :

A method for inhibiting a bacterial invasive or adhesion mechanism involving administering to a human a nutritional composition including a lipid or fat; a protein source; a prebiotic composition; and at least about 10 mg/100kCal of lactoferrin produced by a non human source.

No. of Pages : 25 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :14/05/2013

(54) Title of the invention : RADAR IMAGE PROCESSING

#### (43) Publication Date : 21/11/2014

(-)		1
(51) International classification	:G01S13/00	(71)Name of Applicant :
(31) Priority Document No	:2010905003	1)THE UNIVERSITY OF SYDNEY
(32) Priority Date	:11/11/2010	Address of Applicant :Sydney New South Wales 2006
(33) Name of priority country	:Australia	Australia
(86) International Application No	:PCT/AU2011/001458	(72)Name of Inventor :
Filing Date	:10/11/2011	1)UNDERWOOD James Patrick
(87) International Publication No	:WO 2012/061896	2)REINA Giulio
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

Apparatus and a method for processing a radar image the method comprising: using a radar generating a radar image of an area of terrain (8) the radar image deriving from radar observations taken along a plurality of azimuth angles; performing a background extraction process on the radar image to extract a background image comprising extracted radar observations the background extraction process comprising estimating a range spread of a radar echo from the surface of the terrain (8) as function of the azimuth angle and a tilt of the radar relative to the surface of the terrain (8); fitting a model to the extracted radar observations along a particular azimuth angle; determining a value of a parameter indicative of the goodness of fit between the model and the extracted radar observations along the particular azimuth angle; and determining a classification depending on the value of the parameter for that azimuth angle.

No. of Pages : 35 No. of Claims : 15

(21) Application No.4397/DELNP/2013 A

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DEXAMETHASONE COMBINATION THERAPY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> <li>Filing Date</li> </ul> </li> </ul>	:A61K31/5377,A61K31/573,A61P35/00 :61/413260 :12/11/2010 :U.S.A. :PCT/US2011/060297 :11/11/2011 :WO 2012/065021 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BOARD OF REGENTS THE UNIVERSITY OF TEXAS SYSTEM <ul> <li>Address of Applicant :201 West 7th Street Austin TX 78701</li> <li>U.S.A.</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)YI Qing</li> <li>2)ZHENG Yuhuan</li> </ul> </li> </ul>
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(57) Abstract :

The present invention relates to a method of treating multiple myeloma in a subject comprising administering to the subject an amount of (1) a compound of formula (I) as described herein and/or a stereoisomer tautomer or pharmaceutically acceptable salt thereof and an amount of (2) dexamethasone and/or a pharmaceutically acceptable salt solvate metabolite or racemate thereof such that the subject is treated. In another aspect provided herein is a method of treating multiple myeloma in a subject comprising administering to the subject an amount of (1) a compound of formula (I) and an amount of (2) dexamethasone such that the subject is treated; pharmaceutical formulations comprising said combination for the treatment of multiple myelom; and compositions thereof.

No. of Pages : 55 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :14/05/2013

(54) Title of the invention : SEAL ASSEMBLY

#### (43) Publication Date : 21/11/2014

(51) International classification	:B62D55/088	(71)Name of Applicant :
(31) Priority Document No	:61/426599	1)CATERPILLAR INC.
(32) Priority Date	:23/12/2010	Address of Applicant :100 N.E. Adams Street Peoria IL 61629
(33) Name of priority country	:U.S.A.	9510 U.S.A.
(86) International Application No	:PCT/US2011/065417	(72)Name of Inventor :
Filing Date	:16/12/2011	1)KUPPER David G.
(87) International Publication No	:WO 2012/087799	
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) 11 ( )		1

(57) Abstract :

A seal assembly (10 110) for sealing between a first member (12 112) and a second member (14 114) of a joint the first member (12

112) being able to pivot about an axis (60 160) of the joint relative to the second member (12 112) is disclosed. The seal assembly (10

110) includes an annular seal body (30 130) which has a sufficient axial dimension to span first and second seal cavities (20 120 22

122) of the first member (12 112) and second member (14 114) of a joint.

No. of Pages : 13 No. of Claims : 14

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ORAL CARE KIT AND DISPENSER FOR USE WITH THE SAME

(51) International classification	:B65D83/04,B65D75/54,A46B11/00	(71)Name of Applicant : 1)COLGATE PALMOLIVE COMPANY
(31) Priority Document No	:NA	Address of Applicant :300 Park Avenue New York New York
(32) Priority Date	:NA	10022 U.S.A.
(33) Name of priority country	y:NA	(72)Name of Inventor :
<ul> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:PCT/US2010/060534 :15/12/2010	1)LEE David K.
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

(57) Abstract :

An oral care kit comprising an oral care implement and a dispenser. In one aspect the invention can be an oral care kit comprising at least one toothbrush and a dispenser. The dispenser (300) comprises a housing (309) having an internal chamber (321) containing a plurality of capsules (310) containing an oral care material; a dispensing conduit (322) extending from the internal chamber to an exterior of the dispenser; a valve (325) positioned in the dispensing conduit and biased into a sealed state that prevents moisture from entering the internal chamber; and a dispensing subassembly (302 315 316 317) configured to dispense one of the capsules from the internal chamber through the valve. The valve is forced into an open state that allows the one capsule to pass therethrough when the one capsule is subjected to a dispensing force imparted by the dispensing subassembly and automatically returns to the sealed state after the one capsule passes therethrough.

No. of Pages : 33 No. of Claims : 31

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : METHOD FOR MILLING AN OPENING IN A WORKPIECE AND WORKPIECE COMPRISING AN OPENING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:B21D37/20,B23C3/00 :10 2010 061 321.5 :17/12/2010 :Germany :PCT/EP2011/072686 :14/12/2011 :WO 2012/080293 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)GUSTAV KLAUKE GMBH Address of Applicant :Auf dem Knapp 46 42855 Remscheid Germany</li> <li>(72)Name of Inventor :</li> <li>1)FRENKEN Egbert</li> </ul>
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#### (57) Abstract :

The invention relates to a method for milling an opening in a material piece wherein in a corner region the opening has peripheral edge sections that come together at an angle and the opening is formed using a milling cutter which during operation fills in an enveloping surface for example a cylinder surface having a lateral face and an end face wherein the corner region is first formed in a first orientation of the milling cutter preferably corresponding to a longitudinal axis of the opening with the aid of the section of the milling cutter which generates the lateral face of for example the cylinder surface. In order to provide a method for milling an opening in a workpiece by means of which method it is also possible to create corners having the sharpest edges possible and to further provide such a workpiece according to the invention moreover in a second orientation of the milling cutter optionally forming a bevel that on a peripheral edge section is oriented transversely to the direction of extension thereof a corner shape that corresponds to the transition of the end face to the lateral face is created between the peripheral edge sections that come together with the aid of the section of the milling cutter which generates the end face of the enveloping surface of the for example cylinder surface.

No. of Pages : 33 No. of Claims : 8

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : CONDUCTIVE ADHESIVE MATERIAL SOLAR CELL MODULE AND METHOD FOR MANUFACTURING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:H01L31/042,C09J9/02 :2010263607 :26/11/2010 :Japan :PCT/JP2011/075935 :10/11/2011 :WO 2012/070396 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>DEXERIALS CORPORATION Address of Applicant :Gate City Osaki East Tower 8F 1 11 2 </li> <li>Osaki Shinagawa ku Tokyo 1410032 Japan (72)Name of Inventor :  </li> <li>DNAKAHARA Koichi</li> </ol></li></ul>
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(57) Abstract :

Provided are a conductive adhesive material from which high connection reliability is obtained a solar cell module and a manufacturing method for the same. The conductive adhesive material (20) contains a film forming resin a liquid epoxy resin a curing agent and conductive particles. An acid anhydride curing agent or phenol curing agent is used for the curing agent and solder particles are used for the conductive particles. The solder is wet and spread by the flux effect of the curing agent and high contact reliability is obtained.

No. of Pages : 42 No. of Claims : 9

(21) Application No.4175/DELNP/2013 A

(19) INDIA(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : SAND CONTROL SCREEN ASSEMBLY HAVING A COMPLIANT DRAINAGE LAYER			
<ul> <li>(54) Title of the invention : SAND CONT.</li> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul> </li> <li>Number <ul> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul> </li> </ul>	:E21B43/08 :12/971959 :17/12/2010 :U.S.A.	(71)Name of Applicant : 1)HALLIBURTON ENERGY SERVICES INC. Address of Applicant :2601 Beltline Road Carrollton TX 75006 U.S.A. (72)Name of Inventor : 1)GRECI Stephen Michael	
Filing Date	:NA		

#### (57) Abstract :

A sand control screen assembly (300) includes a base pipe (302) having at least one opening in a sidewall thereof and a screen jacket positioned about the base pipe (302). The screen jacket includes a drainage layer (304) and a filter medium positioned about the drainage layer (304). The drainage layer (304) includes a plurality of circumferentially distributed axially extending ribs (306) and a wrap wire (308) positioned around the ribs (306) forming a plurality of turns having gaps therebetween. The ribs (306) includes a plurality of first ribs (310) having a first cross sectional rib profile shaped and sized to maintain an annular space between the wrap wire (308) and the base pipe (302) and a plurality of second ribs (312) having a second cross sectional rib profile shaped and sized to provide for a gap between the second ribs (312) and the base pipe (302).

No. of Pages : 27 No. of Claims : 20

(22) Date of filing of Application :10/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : HIGH STRENGTH SPRING STEEL METHOD FOR PRODUCING HIGH STRENGTH SPRING AND HIGH STRENGTH SPRING

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> </ul></li></ul>	:C22C38/50,C21D7/06,C21D9/02 :2010252856 :11/11/2010 :Japan :PCT/JP2011/074290 :21/10/2011 :WO 2012/063620 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)NHK SPRING CO. LTD. Address of Applicant :3 10 Fukuura Kanazawa ku Yokohama shi Kanagawa 2360004 Japan</li> <li>(72)Name of Inventor :</li> <li>1)OKADA Hideki</li> <li>2)TANGE Akira</li> <li>3)TANGO Koichi</li> <li>4)SUMIYOSHI Isao</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

This high strength spring steel is characterized by: containing by mass% 0.38 0.44% of C 2.00 2.30% of Si 0.79 1.25% of Mn 0.10 0.43% of Cr 0.15 0.35% of Ni 0.15 0.35% of Cu 0.05 0.13% of Ti no greater than 0.02% of P no greater than 0.02% of S 0.003 0.10% of Al 0.002 0.012% of N no greater than 0.0002% of O the remainder comprising iron and unavoidable impurities; the AC transformation point which is an index for decarbonizing performance determined from the belowmentioned formula (1) being in the range of 859 885°C inclusive; the maximum quenching diameter (DI) which is an index for quenching performance determined from the belowmentioned formula (2) being in the range of 70 238 mm inclusive; and the tempered hardness (HRC) which is an index for spring performance determined formula (3) being in the range of 50 55 inclusive. Ac=910 203— vC 15.2Ni+44.7Si+104V+31.5Mo+13.1W |(1); DI=D—f—f—f—f—f—f—f=f[(2); and HRC=38.99 + 17.48 C + 2.55 Si 2.28 Ni + 2.37 Cr + 8.04 Ti |(3); where D=8.65—vC f=1 + 0.64 — %Si f=1 + 4.10 — %Mn f=1 + 2.83 — %P f=1 0.62 — %S f=1 + 0.27 — %Cu f=1 + 0.52 — %Ni and f=1 + 2.33 — %Cr.

No. of Pages : 61 No. of Claims : 5

(22) Date of filing of Application :10/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR COMMINUTING MATERIAL TO BE GROUND AND ROLLER MILL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication</li> </ul>	<sup>1</sup> :PCT/EP2010/007706 :16/12/2010	<ul> <li>(71)Name of Applicant :</li> <li>1)LOESCHE GMBH <ul> <li>Address of Applicant :Hansaallee 243 40549 D<sup>1</sup>/<sub>4</sub>sseldorf</li> </ul> </li> <li>Germany </li> <li>(72)Name of Inventor : <ul> <li>1)B,,TZ Andr</li> <li>2)KEYNER Michael</li> <li>3)LANGEL Jrg</li> <li>4)TRIEBS Michael</li> </ul> </li> </ul>
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a method for comminuting material to be ground and to a roller mill and is suitable in particular for the extremely fine comminution of relatively hard and dry materials, for example cement clinker and blast furnace slag, and for relatively large roller mills. In order to avoid mill vibrations as a result of over-grinding the material to be ground and in order to reduce the specific work needed and also increase the throughput, a fine material nozzle (10) is arranged downstream of each grinding roll (4), wherein an air jet having a defined momentum is directed from said fine material nozzle from above onto a fine material concentration zone (12). The fine material concentration zone is formed immediately after the comminution zone of each grinding roll and is virtually free of material to be comminuted that has been fed in and accumulates in an edge region (13). The fine material blown out and up is supplied to a rising transport air stream and a following Screening process.

No. of Pages : 22 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :13/05/2013

#### (43) Publication Date : 21/11/2014

(54) Title of the invention : FOLDING H	AT	
<ul> <li>(54) Title of the invention : FOLDING H.</li> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:A42B1/20 :2010904685 :20/10/2010 :Australia	<ul> <li>(71)Name of Applicant :</li> <li>1)PUNCH FOLD TUCK PTY LTD Address of Applicant :47/91 Moreland Street Footscray </li> <li>Victoria 3011 Australia</li> <li>(72)Name of Inventor : 1)JONES Carl Thornton </li> <li>2)CHIJOFF Michael 3)SCHENA Franco</li></ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A folding hat formed from sheet material including a crown and a brim wherein the brim is attached to the crown and a bottom rim portion of the crown imparts shaping to the brim. In one form an upper surface of the crown is indented and the bottom rim portion of the crown supports the brim in a generally continuous curve whereby an upper surface of the brim is curved from one edge of the brim to an opposite edge of the brim.

No. of Pages : 35 No. of Claims : 26

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ENVIRONMENTALLY FRIENDLY ABSORBENT STRUCTURE

<ul> <li>classification</li> <li>(31) Priority Document No :EP1044'</li> <li>(32) Priority Date :20/10/20</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International</li> </ul>	22011/005285	<ul> <li>(71)Name of Applicant :</li> <li>1)VYNKA BVBA Address of Applicant :Sint Janstraat 7 BE 9220 Hamme Belgium</li> <li>(72)Name of Inventor :</li> <li>1)VAN MALDEREN Bart</li> </ul>
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#### (57) Abstract :

The present invention relates to an absorbent structure preferably for use in absorbent articles as used in the personal hygiene industry such as feminine hygiene garments baby diapers and pants or adult incontinence garments. The present invention also relates to an absorbent article comprising such absorbent structure and to a method of manufacturing the absorbent structure. The absorbent structure comprise a carrier layer an auxiliary layer and an absorbent material there between wherein substantially permanent primary attachments and substantially temporary secondary attachments are loosened as a result of exposing the absorbent structure to a liquid whereas the substantially permanent primary attachments remain substantially intact. The present invention foresees in the need for improved flexible thin lightweight absorbent structures for an absorbent article which overcomes the absorbency problems of the prior art during absorption distribution and retention of liquids with optimal fit.

No. of Pages : 57 No. of Claims : 16

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PRESSURE SENSOR ASSEMBLY AND ASSOCIATED METHOD FOR PREVENTING THE DEVELOPMENT OF PRESSURE INJURIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06F19/00,A61B5/00 :61/407563 :28/10/2010 :U.S.A. :PCT/IB2011/054773 :26/10/2011 :WO 2012/056405 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>ENHANCED SURFACE DYNAMICS INC.</li> <li>Address of Applicant :42 Richland Road Wellesley</li> </ol> </li> <li>Massachusetts 02481 U.S.A.</li> <li>(72)Name of Inventor : <ol> <li>WEISS Dan</li> <li>POLIAKINE BARUCHI Ruth</li> <li>BEN SHALOM Amir</li> <li>GREENSTEIN Lior</li> <li>ASSULINE Yonatan</li> <li>RAAB Itai</li> <li>BEN DAVID Boaz</li> <li>REMEZ Tal</li> <li>AVERBUCH Gusti</li> <li>DZARITZKY Efrat</li> </ol></li></ul>
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(57) Abstract :

A pressure wound prevention system comprising at least one management device which comprises at least one user input apparatus at least one output mechanism at least one data input for connecting with a pressure sensor assembly and a processor configured to measure elapsed time to receive pressure data from the data input and to present an output via the output mechanism. The system may be modular. A method for preventing the development of pressure wounds of a subject is also presented.

No. of Pages : 47 No. of Claims : 60

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : FILM LIKE MEMBER AND METHOD FOR ATTACHING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication N</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:2010256933 :17/11/2010 :Japan :PCT/JP2011/076386 :16/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)MITSUBISHI STEEL MFG. CO.LTD. Address of Applicant :2 22 Harumi 3 chome Chuo ku Tokyo 1048550 Japan</li> <li>(72)Name of Inventor :</li> <li>1)HIROKANE Toru</li> <li>2)KOYANAGI Yukihisa</li> </ul>
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(57) Abstract :

Disclosed is a method for attaching a film like member whereby a planar film like member is attached to a member having the curved surface. The method has: a first step of specifying by analysis a region where higher stress is to be generated compared with the film like member in a planar shape in the case where the film like member is attached to the member having the curved surface; a second step of forming a slit in the film like member region where the higher stress is to be generated; and a third step of attaching the film like member having the slit formed therein to the member having the curved surface.

No. of Pages : 23 No. of Claims : 7

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR DEPIGMENTING KERATIN MATERIALS USING RESORCINOL DERIVATIVES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul> </li> </ul>	:C07D207/46,C07D311/20,C07D403/08 :1060635 :16/12/2010 :France :PCT/EP2011/070816 :23/11/2011 :WO 2012/079938 <sup>0</sup> :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LOREAL <ul> <li>Address of Applicant :14 rue Royale F 75008 Paris France</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)MARAT Xavier</li> </ul> </li> </ul>
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#### (57) Abstract :

The invention relates to compounds of formula (I): The invention likewise relates to a cosmetic method for depigmenting lightening and/or whitening keratin materials more particularly the skin that utilizes these compounds

No. of Pages : 51 No. of Claims : 15

(12) PATENT APPLICATION PUBLICATION (19) INDIA		(21) Application No.4075/DELNP/2013 A
(22) Date of filing of Applicatio	n :07/05/2013	(43) Publication Date : 21/11/2014
(54) Title of the invention : TRIALKYLSILYLOXY TERMINATED POLYMERS		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication N</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:10191344.0 :16/11/2010 :EPO :PCT/EP2011/069910 :11/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)LANXESS DEUTSCHLAND GMBH Address of Applicant :51369 Leverkusen Germany</li> <li>(72)Name of Inventor :</li> <li>1)STEINHAUSER Norbert</li> </ul>

(57) Abstract :

The present invention relates to polymers functionalized by terminal groups, where the polymers have a trialkylsilyloxy group of the formula (I) R1 I -0-Si-R2 I R3 (I) 10 at the end of the chain, where R, R, and R can be identical or different and are alkyl, cycloalkyl, and aralkyl moieties which can comprise heteroatoms such as O, N, S, and Si.

No. of Pages : 20 No. of Claims : 26

(12) PATENT APPLICATION PUBLICATION (21) Application No.4076/DELNP/2013 A (19) INDIA (22) Date of filing of Application :07/05/2013 (43) Publication Date : 21/11/2014 (54) Title of the invention : METHANOL TERMINATED POLYMERS CONTAINING SILANE (51) International classification :C08C19/44,C08L15/00,C08F2/38 (71)Name of Applicant : (31) Priority Document No 1)LANXESS Deutschland GmbH :10191342.4 (32) Priority Date Address of Applicant :51369 Leverkusen Germany :16/11/2010 (33) Name of priority country (72)Name of Inventor : :EPO (86) International Application **1)STEINHAUSER Norbert** :PCT/EP2011/069913 No :11/11/2011 Filing Date (87) International Publication :WO 2012/065908 No (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

The present invention relates to polymers finctionalized by terminal groups, where these have, at the chain end, a silane-containing carbinol group of the formula (I) Ri R3 I 1 -Si-C-A-OH R2 R4 (I) 10 where R, R, R, R are identical or different and are H, alkyl moieties, cycloalkyl moieties, aryl moieties, alkaryl moieties and aralkyl moieties, where these can comprise heteroatoms such as O, N, S, Si, 15 is a divalent organic moiety which can comprise, alongside C and H, heteroatoms such as O, N, S, Si.

No. of Pages : 25 No. of Claims : 23

(21) Application No.4420/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:H03L7/087	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TELEFONAKTIEBOLAGET L M ERICSSON (publ)
(32) Priority Date	:NA	Address of Applicant :S 164 83 Stockholm Sweden
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:PCT/CN2010/002190	1)WEN Steven
Filing Date	:29/12/2010	
(87) International Publication No	:WO 2012/088625	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) 41		L

#### (54) Title of the invention : PHASE FREQUENCY DETECTION METHOD

(57) Abstract :

The present invention relates to a method and device for phase frequency detection in a phase lock loop circuit. This is provided in a method for detecting phase/frequency error in a digital phase locked loop PLL. The method comprises receiving (301 302) compare edge of a reference clock signal and compare edge of a feedback clock signal maintaining (304) a phase/frequency detector PFD state machine with three PFD states UP (502) DOWN (503) and IDLE (501) based on the received compare edges of the reference and feedback clock signals recording current and previous time the state machine stays in UP or DOWN states generating an UP or DOWN signal based on transition of PFD states and the comparison between recorded current time and recorded previous time; and outputting a digital control signal to a feedback frequency control device (105) based on the UP or DOWN signal. The present invention also relates to a device and system arranged to execute the method according to the present invention.

No. of Pages : 24 No. of Claims : 16

(22) Date of filing of Application :17/05/2013

### (54) Title of the invention : POLYAMIDE MEMBRANES VIA INTERFACIAL POLYMERSATION WITH MONOMERS COMPRISING A PROTECTED AMINE GROUP

(51) International	:B01D69/12,B01D71/56,B01D67/00	(71)Name of Applicant :
classification		1)GENERAL ELECTRIC COMPANY
(31) Priority Document No	:12/974054	Address of Applicant :1 River Road Schenectady NY 12345
(32) Priority Date	:21/12/2010	U.S.A.
(33) Name of priority country	y:U.S.A.	(72)Name of Inventor :
(86) International	:PCT/US2011/058765	1)NIU Qingshan Jason
Application No	:01/11/2011	
Filing Date		
(87) International Publication	<sup>1</sup> :WO 2012/087428	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The present disclosure relates to polymeric matrices composed of protected amine compound residues and membranes composed from such polymeric matrices. In particular the present disclosure relates to a polymeric matrix comprising amine compound residues acyl compound residues and protected amine compound residues.

No. of Pages : 47 No. of Claims : 39

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : SUPPORT DEVICE FOR A SEMITRAILER COMPRISING A SPINDLE MECHANISM WITH MULTI PART SPINDLE AND SEMITRAILER HAVING A SUPPORT DEVICE OF SAID TYPE

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(33) Name of priority country</li> <li>(34) International Application No</li> <li>(35) Filing Date</li> <li>(37) International Publication No</li> <li>(37) International Publication No</li> <li>(37) (38) Priority Country</li> <li>(32) Priority Date</li> <li>(33) Name of priority Country</li> <li>(31) Priority Date</li> <li>(32) Priority Date</li> <li>(32) Priority Date</li> <li>(32) Priority Date</li> <li>(33) Name of priority Country</li> <li>(31) Priority Date</li> <li>(32) Priority Date</li> <li>(32) Priority Date</li> <li>(33) Name of priority Country</li> <li>(34) Priority Date</li> <li>(35) Priority Date</li> <li>(35) Priority Date</li> <li>(36) Priority Date</li> <li>(37) Priority Date</li> <li>(38) Priority Date</li> <li>(39) Priority Date</li> <li>(30) Priority Date</li> <li>(31) Priority Country</li> <li>(32) Priority Date</li> <li>(31) Priority Date</li> <li>(32) Priority Date</li> <li>(32) Priority Date</li> <li>(33) Name of priority Country</li> <li>(34) Priority Date</li> <li>(35) Priority Date</li> <li>(35) Priority Date</li> <li>(36) Priority Date</li> <li>(36) Priority Date</li> <li>(37) Priority Date</li> <li>(38) Priority Date</li> <li>(39) Priority Date</li> <li>(30) Priority Date</li> <li>(31) Priority Date</li> <li>(31) Priority Date</li> <li>(32) Priority Date</li> <li>(31) Priority Date</li> <li>(31) Priority Date</li> <li>(32) Priority Date</li> <li>(33) Priority Date</li> <li>(34) Priority Date</li> <li>(35) Priority Date</li> <li>(36) P</li></ul>	10 2011 081 340.3 22/08/2011 Germany	<ul> <li>(71)Name of Applicant :</li> <li>1)SAF HOLLAND GMBH Address of Applicant :Hauptstrasse 26 63856 Bessenbach Germany</li> <li>(72)Name of Inventor :</li> <li>1)WEBER Elmar</li> </ul>
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#### (57) Abstract :

A support device (100) for a semitrailer or the like having an outer support tube (110) and an inner support tube (120) wherein the inner support tube (120) is arranged in telescopic fashion in the outer support tube (110) and can be moved in the axial direction (L) relative to the outer support tube (110) by means of a spindle mechanism installed in the interior. It is provided that the spindle mechanism comprises a multi part spindle (160) which has a plurality of segments (161 163) arranged in the axial direction (L) and connected to one another in a flexible manner.

No. of Pages : 15 No. of Claims : 12

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SCROLL REFRIGERATION COMPRESSOR

(57) Abstract :

The invention relates to a compressor including: a stationary volute (6) and a moving volute (9) each comprising a plate (7 11) provided with a scroll (8 12) said scrolls defining variable volume compression chambers (13); a separator (16) sealingly mounted to the plate (7) of the stationary volute (6) and defining therewith a first intermediate volume (19); and a delivery chamber (22) defined by the separator and a sealed enclosure. The compressor also includes: a bypass passage arranged to communicate the first intermediate volume (19) with an intermediate compression chamber (13b); a flow passage arranged to communicate the first intermediate volume (19) with the delivery chamber (22); and a bypass valve (34) mounted to the surface of the separator that is facing the delivery chamber which valve can move between positions for sealing and opening the flow passage.

No. of Pages : 19 No. of Claims : 11

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : TUBULAR THREADED JOINT HAVING IMPROVED LOW TEMPERATURE PERFORMANCE

<ul> <li>(51) International classification</li> <li>(31) Priority Document Not (32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:F16L15/04,C10M103/02,C10M107/02 o:2010248789 :05/11/2010 :Japan :PCT/JP2011/076018 :04/11/2011 :WO 2012/060474	<ul> <li>(71)Name of Applicant :</li> <li>1)NIPPON STEEL &amp; SUMITOMO METAL</li> <li>CORPORATION <ul> <li>Address of Applicant :6 1 Marunouchi 2 chome Chiyoda ku</li> </ul> </li> <li>Tokyo 1008071 Japan <ul> <li>2)VALLOUREC MANNESMANN OIL &amp; GAS FRANCE</li> <li>(72)Name of Inventor : <ul> <li>1)GOTO Kunio</li> <li>2)SASAKI Masayoshi</li> </ul> </li> </ul></li></ul>
Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

(57) Abstract :

In order to provide a tubular threaded joint constituted by a pin and a box each having threads and an unthreaded metal contact portion with excellent galling resistance and gas tightness even in extremely cold environments at 60° C to 20° C and rust preventing properties without using a compound grease a thermoplastic solid lubricating coating containing low friction copolymer particles made from an acrylic silicone copolymer and preferably further containing a solid lubricant (e.g. graphite) in a thermoplastic polymer matrix (e.g. selected from polyolefin resins and ethylene vinyl acetate copolymer resins) is formed on the surface of the threads and unthreaded metal contact portion of a pin and/or a box.

No. of Pages : 43 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :14/05/2013

#### (43) Publication Date : 21/11/2014

	mon	
(51) International classification	:E01F15/00	(71)Name of Applicant :
(31) Priority Document No	:61/413798	1)ENERGY ABSORPTION SYSTEMS INC.
(32) Priority Date	:15/11/2010	Address of Applicant :2525 N. Stemmons Freeway Dallas TX
(33) Name of priority country	:U.S.A.	75207 U.S.A.
(86) International Application No	:PCT/US2011/060344	(72)Name of Inventor :
Filing Date	:11/11/2011	1)BUEHLER Michael J.
(87) International Publication No	:WO 2012/067960	2)COX Aaron J.
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
	.11A	

### (54) Title of the invention : CRASH CUSHION

(57) Abstract :

A crash cushion includes a plurality of resilient self restoring tubes each having a center axis and an interior surface. At least some of the tubes are positioned such that respective ones of the center axes are spaced apart in a longitudinal direction. The center axis of at least one tube is substantially perpendicular to a longitudinal axis extending in the longitudinal direction with the tube defining a diametral plane intersecting and oriented substantially perpendicular to the longitudinal axis. The center axis of the tube lies in the diametral plane. One or more segments are positioned in the tube with the segments or portions thereof disposed on opposite sides of the interior surface of the tube. Each of the segments or portions is symmetrically secured to the tube relative to the diametral plane with the tube being substantially open between the opposing segments. Various methods of using and assembling the crash cushion are also provided.

No. of Pages : 29 No. of Claims : 23

(21) Application No.4427/DELNP/2013 A

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : MICROFLUIDIC DEVICE FOR NUCLEIC ACID EXTRACTION AND FRACTIONATION

<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:B01L3/00,B01D15/20,C12Q1/68 :61/418305 :30/11/2010	1)QUANTUMDX GROUP LIMITED Address of Applicant :9 Hartley Way Purley Surrey CR8 4EJ
<ul> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:U.S.A. :PCT/IB2011/003016 :30/11/2011	U.K. (72)Name of Inventor : 1)OHALLORAN Jonathan James 2)WARBURTON Elaine Harrington 3)SOLOMON Matthew Daniel
No (61) Patent of Addition to Application Number Filing Date	:WO 2012/073115 :NA :NA	4)MCCORMACK John Edward 5)SCHUENEMANN Matthias 6)BRIGGS David James 7)ANDRE Mindy Lee
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Various embodiments of the present disclosure generally relate to molecular biological protocols equipment and reagents for the extraction and fractionation of DNA molecules from whole or lysed samples in a single flow through device.

No. of Pages : 35 No. of Claims : 12

(12) PATENT APPLICATION PUBLICATION	(21) Application No.4428/DELNP/2013 A
(19) INDIA	
(22) Date of filing of Application :17/05/2013	(43) Publication Date : 21/11/2014

(54) Title of the invention : PEPTIDE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	h :C07K5/08,A61K31/06,A61P9/12 :1018125.3 :26/10/2010 :U.K. :PCT/GB2011/051314 :13/07/2011 :WO 2012/056205 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>MAREALIS AS</li> <li>Address of Applicant :PO Box 6458 Tromso Science Park N</li> </ol> </li> <li>9242 Tromso Norway <ol> <li>RIGBY Barbara</li> </ol> </li> <li>(72)Name of Inventor : <ol> <li>RAUO Jaran</li> </ol> </li> </ul>
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(57) Abstract :

The invention provides a peptide comprising or consisting of SEQ ID NO: 1 and variants thereof particularly comprising of consisting of the sequence FTY nucleic acids encoding said peptides and pharmaceutical and nutraceutical compositions comprising said peptide(s) and/or nucleic acids. Also provided is the use of such a peptide in therapy and in vitro methods of ACE inhibition.

No. of Pages : 21 No. of Claims : 19

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : REFLECTIVE FILM COMPOSITION FOR LIGHT EMITTING ELEMENT LIGHT EMITTING ELEMENT AND METHOD FOR PRODUCING LIGHT EMITTING ELEMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:H01L33/60 :2010254268 :12/11/2010 :Japan :PCT/JP2011/075952 :10/11/2011 :WO 2012/063908 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)MITSUBISHI MATERIALS CORPORATION Address of Applicant :3 2 Otemachi 1 chome Chiyoda ku Tokyo 1008117 Japan</li> <li>(72)Name of Inventor :</li> <li>1)MAWATARI Fuyumi</li> <li>2)KONDOU Youji</li> <li>3)IZUMI Reiko</li> <li>4)HAYASHI Yoshimasa</li> </ul>
Number Filing Date		4)HAYASHI Yoshimasa 5)YAMASAKI Kazuhiko
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A light emitting element provided in the following order with a light emitting layer a conductive reflective film for reflecting the light emitted from the light emitting layer and a base material wherein the conductive reflective film contains metal nanoparticles.

No. of Pages : 60 No. of Claims : 19

(21) Application No.4317/DELNP/2013 A

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:C03B37/027	(71)Name of Applicant :
(31) Priority Document No	:1059213	1)CONDUCTIX WAMPFLER FRANCE
(32) Priority Date	:08/11/2010	Address of Applicant :119 avenue Louis Roche F 92230
(33) Name of priority country	:France	Gennevilliers France
(86) International Application No	:PCT/EP2011/069585	(72)Name of Inventor :
Filing Date	:08/11/2011	1)CORSO Fran§ois
(87) International Publication No	:WO 2012/062720	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : IMPROVED OPTICAL FIBER COOLING DEVICE

(57) Abstract :

(19) INDIA

The invention relates to a device (1 1 1) for cooling an optical fiber (13) including two portions (20 29) each of the portions (20 29) including at least one receiving surface (204 294) on which a half channel (240 2490) is provided such that once the two portions (20 29) are placed in contact at the receiving surface (204 294) thereof the two portions (20 29) form a main through channel for accommodating the passage of the optical fiber (13) characterized in that each of the portions (20 29) is a block of a thermally conductive material and in that at least one (20) of the portions includes a cylindrical secondary channel (209) which is in fluid connection with a plurality of openings (2046) distributed along the half channel (2040) of said portion (20) in order to form a heat transfer fluid distribution chamber for the plurality of openings (2046).

No. of Pages : 23 No. of Claims : 17

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : MICROORGANISMS FOR 1 3 PROPANEDIOL PRODUCTION USING HIGH GLYCERINE CONCENTRATION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:C12P7/18,C12N1/32,C07K14/33 :10306234.5 :10/11/2010 :EPO	<ul> <li>(71)Name of Applicant :</li> <li>1)METABOLIC EXPLORER</li> <li>Address of Applicant :Biopole Clermont limagne F 63360</li> <li>Saint Beauzire France</li> </ul>
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:PCT/EP2011/069789 :10/11/2011 :WO 2012/062832	(72)Name of Inventor : 1)FIGGE Rainer
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA	

(57) Abstract :

The present invention is related to a population of for the production of 1 3 propanediol (PDO) wherein said population comprises at least one strain of a . comprising mutations selected among the mutations identified in table 1 wherein relative percentages of said mutations are selected among specific genes.

No. of Pages : 29 No. of Claims : 9

(21) Application No.4319/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : CLEANING AND/OR DISINFECTING DEVICE FOR A S PYHGMOMANOMETER (51) International classification :A61L2/10,A61B5/022 (71)Name of Applicant : (31) Priority Document No 1)MANTRA MEDICAL LIMITED :1017573.5 (32) Priority Date Address of Applicant :300 West One Plaza One Cavendish :19/10/2010 (33) Name of priority country Street Sheffield South Yorkshire S3 7SJ U.K. :U.K. (72)Name of Inventor : (86) International Application No :PCT/GB2011/052016 1)HERCOCK Paul Martin Filing Date :19/10/2011 :WO 2012/052754 (87) International Publication No 2)FREWER Neil (61) Patent of Addition to Application **3)JONES Richard Anthony Barritt** :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A device to clean and/or disinfect either or both surfaces of a sphygmomanometer cuff the device comprising: an entrance through which a sphygmomanometer cuff may be introduced into a passageway; an exit from the passageway; a drive mechanism to feed a cuff through the passageway; and a source of cleaning and/or disinfection located so as to act on a sphygmomanometer cuff located within the passageway.

No. of Pages : 33 No. of Claims : 41

(21) Application No.4433/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

#### (51) International classification :F23Q7/00 (71)Name of Applicant : (31) Priority Document No :10 2010 062 438.1 **1)ROBERT BOSCH GMBH** Address of Applicant :Postfach 30 02 20 70442 Stuttgart (32) Priority Date :06/12/2010 (33) Name of priority country :Germany Germany (86) International Application No :PCT/EP2011/068708 (72)Name of Inventor : Filing Date :26/10/2011 1)REISSNER Andreas (87) International Publication No :WO 2012/076246 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : GLOW PLUG HAVING A GRAPHITE SEAL AND AN ELECTRIC INSULATING LAYER

### (57) Abstract :

The invention relates to a glow plug comprising a sheathed element which is accommodated in a metallic housing. The sheathed element comprises a glow tube (16) and a coiled element (18) arranged in the glow tube (16) wherein one end of the coiled element (18) is in electrical contact with the glow tube (16) and the other end is in electrical contact with a connecting pin (17). The connecting pin (17) protrudes into an axial opening (22) of the glow tube (16) where it is connected in a sealing section (23) to the glow tube (16) in an electrically insulating manner by means of a heating body seal (30). The heating body seal (30) is embodied with a sealing element (31) made of graphite and at least one electric insulating layer (32) wherein the glow tube (16) is pressed with the sealing element (31) made of graphite on the connecting pin (17). In order to produce the heating body seal (30) a pre pressed graphite ring (31) is pressed in the opening (22) of the glow tube (16) in the sealing section (23) between glow tube (16) and connecting pin (17).

No. of Pages : 10 No. of Claims : 7

(21) Application No.4306/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : ION EXCHANGE DEIONIZATION APPARATUS WITH ELECTRICAL REGENERATION (51) International classification :B01J47/08,C02F1/42 (71)Name of Applicant : (31) Priority Document No 1) GENERAL ELECTRIC COMPANY :12/967628 (32) Priority Date :14/12/2010 Address of Applicant :1 River Road Schenectady NY 12345 (33) Name of priority country :U.S.A. U.S.A. (86) International Application No :PCT/US2011/057968 (72)Name of Inventor : Filing Date :27/10/2011 1)BARBER John H. (87) International Publication No :WO 2012/082239 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract :

Electrodeionization methods and apparatus wherein ion exchange membranes are not utilized. Instead ion exchange materials such as beads fibers etc. are disposed in alternating layers of anion exchange (AIX) materials and cation exchange (CIX) materials between opposite polarity electrodes. In a regeneration stage a current is applied across the electrodes with water splitting occurring along at least one of the interfacial areas between neighboring AIX and CIX materials. The H+ and OH ions formed via water splitting migrate in response to the electrical current and displace the salt ions in the respective AIX and CIX. The stack is flushed during the regeneration stage to remove the concentrated salt solution. During a deionization phase the electrical current is terminated with influent fed to the stack for deionization. The salt ions in the influent are depleted via ion exchange as the influent contacts the AIX and CIX.

No. of Pages : 13 No. of Claims : 9

(21) Application No.4307/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:C09D5/00	(71)Name of Applicant :
(31) Priority Document No	:12/905999	1)BUNGE AMORPHIC SOLUTIONS LLC
(32) Priority Date	:15/10/2010	Address of Applicant : Av. Maria Coelho Aguiar 215 Bloco D
(33) Name of priority country	:U.S.A.	5 Andar Jardim S£o Lus 05804 900 S£o Paulo SP CEP Brazil
(86) International Application No	:PCT/US2011/056429	2)UNIVERSIDADE ESTADUAL DE CAMPINAS
Filing Date	:14/10/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2012/051573	1)FOSCANTE Raymond E.
(61) Patent of Addition to Application	:NA	2)GALEMBECK Fernando
Number	:NA	3)BRAGA Melissa
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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### (54) Title of the invention : COATING COMPOSITIONS WITH ANTICORROSION PROPERTIES

(57) Abstract :

Anticorrosive coating compositions comprise a binding polymer and an amorphous aluminum phosphate corrosion inhibiting pigment. The composition comprises from about 1 to 25 percent by weight amorphous aluminum phosphate. The amorphous aluminum phosphate has a water adsorption potential of up to about 25 percent by weight water. The composition provides a controlled phosphate delivery of from about 50 to 500 ppm and preferably of from about 100 to 200 ppm. The composition has a total solubles content of less than about 1 500 ppm. The amorphous aluminum phosphate is preferably substantially free of alkali metals. The amorphous aluminum phosphate is made by combining aluminum hydroxide with phosphoric acid and sodium aluminate. The amorphous aluminum phosphate is treated to reduce the level of unwanted solubles and the treated amorphous aluminum phosphate is dried at less than about 300°C. The composition is used as a primer coat a mid coat and/or a top coat coating.

No. of Pages : 39 No. of Claims : 88

(21) Application No.4440/DELNP/2013 A

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : 1 (HETEROCYCLIC CARBONYL) PIPERIDINES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition t Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07D401/06,C07D401/14,C07D405/06 :10356029.8 :21/10/2010 :EPO :PCT/EP2011/068287 :20/10/2011 :WO 2012/052489 O :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant :Alfred Nobel Strasse 10 40789 Monheim Germany</li> <li>(72)Name of Inventor : <ol> <li>BENTING J¼rgen</li> <li>DAHMEN Peter</li> <li>DESBORDES Philippe</li> <li>4)GARY Stphanie</li> <li>VORS Jean Pierre</li> <li>WACHENDORFF NEUMANN Ulrike</li> </ol> </li> </ul>
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### (57) Abstract :

The present invention relates to fungicidal 1 (heterocyclic carbonyl) piperidines and their thiocarbonyl derivatives their process of preparation and intermediate compounds for their preparation their use as fungicides particularly in the form of fungicidal compositions and methods for the control of phytopathogenic fungi of plants using these compounds or their compositions.

No. of Pages : 95 No. of Claims : 16

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : N BENZYL HETEROCYCLIC CARBOXAMIDES

<ul> <li>(51) International classification</li> <li>(31) Priority Document Not</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> </ul>	:C07D231/16,C07D401/12,A01N43/56 p:10356028.0 :21/10/2010 :EPO :PCT/EP2011/068288 :20/10/2011 :WO 2012/052490 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant :Alfred Nobel Strasse 10 40789</li> <li>Monheim Germany</li> <li>(72)Name of Inventor :</li> <li>1)BENTING J¼rgen</li> <li>2)CRISTAU Pierre</li> <li>3)DESBORDES Philippe</li> <li>4)GARY Stphanie</li> <li>5)GREUL Jrg</li> <li>6)HELMKE Hendrik</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

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(57) Abstract :

The present invention relates to N benzyl heterocyclic carboxamidesderivatives or their thiocarboxamides derivatives their process of preparation their use as fungicide particularly in the form of compositions and methods for the control of phytopathogenic fungi notably of plants using these compounds or compositions.

No. of Pages : 86 No. of Claims : 16

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD FOR PRODUCING ETHYLENE BASED POLYMER PARTICLES AND STRETCH MOLDED ARTICLE OBTAINED FROM ETHYLENE BASED POLYMER PARTICLES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	1 :C08F4/64,B29C55/02,C08F10/02 :2010236909 :21/10/2010	<ul> <li>(71)Name of Applicant :</li> <li>1)MITSUI CHEMICALS INC.</li> <li>Address of Applicant :5 2 Higashi Shimbashi 1 chome Minato</li> </ul>
<ul><li>(32) Filotity Date</li><li>(33) Name of priority country</li><li>(86) International Application</li></ul>	:Japan	ku Tokyo 1057117 Japan (72) <b>Name of Inventor :</b>
No Filing Date	:PCT/JP2011/066195 :15/07/2011	1)NISHINO Fumiaki 2)KARINO Takeshi
(87) International Publication No	:WO 2012/053261	3)ONOGI Takayuki 4)MURATA Susumu
(61) Patent of Addition to Application Number Filing Date	:NA :NA	5)MATSUKAWA Naoto 6)YOSHIDA Yasunori 7)NAKAYAMA Yasushi
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A method for producing ethylene based polymer particles by homopolymerizing ethylene or copolymerizing ethylene and a C linear or branched a olefin in the presence of an olefin polymerization catalyst containing: (A) micro particles provided with an average particle diameter of 1 300 nm and obtained through at least two steps in which step 1 is a step in which a metal halide and an alcohol are brought into contact with each other in a hydrocarbon solvent and in which step 2 is a step in which the component obtained in step 1 is brought into contact with an organoaluminum compound and/or an organoaluminumoxy compound; and (B) a transition metal compound represented by General Formula (I) or (II) the method satisfying condition (E) that is that the limiting viscosity () as measured at 135°C in a decalin solvent be 5 50 dL/g.

No. of Pages : 142 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :15/05/2013

### (43) Publication Date : 21/11/2014

### (54) Title of the invention : EXHAUST GAS TURBOCHARGER

<ul> <li>(51) International</li> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:PCT/US2011/057256 :21/10/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)BORGWARNER INC.</li> <li>Address of Applicant :Patent Department 3850 Hamlin Road</li> <li>Auburn Hills Michigan 48326 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)SCHUMNIG Oliver</li> </ul>
No	:WO 2012/058110	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to an exhaust gas turbocharger (1) having a compressor (2) which has a compressor wheel (3) in a compressor housing (4); having a turbine (5) which has a turbine wheel (6) in a turbine housing (7); and having a bearing housing (8) which holds a stationary bearing bush (9) for a rotor shaft (10) and which has at the compressor side a bearing housing cover (11) wherein the bearing bush (9) is provided with axial bearing surfaces (12 13) and is fixed in the bearing housing (8) in a non positively locking fashion.

No. of Pages : 9 No. of Claims : 10

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : ROLLING ELEMENT BEARING CARTRIDGE WITH AXIAL THRUST DAMPING AND ANTI ROTATION ASSEMBLIES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:PCT/US2011/057273 :21/10/2011 :WO 2012/058111 :NA	<ul> <li>(71)Name of Applicant : <ol> <li>BORGWARNER INC.</li> <li>Address of Applicant :Patent Department 3850 Hamlin Road</li> </ol> </li> <li>Auburn Hills Michigan 48326 U.S.A.</li> <li>(72)Name of Inventor : <ol> <li>HOUSE Timothy</li> <li>DIEMER Paul</li> <li>BUCKING Michael</li> <li>HARRIS Mike</li> <li>CAVAGNARO Augustine</li> </ol> </li> </ul>
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract :

To solve both axial and rotational constraint problems in turbochargers with rolling element bearings (REBs) a REB sleeve or outer race is mounted to the bearing housing in a way that is not axially and radially rigid thus allowing for oil damping films both radially and axially. At the same time the REB sleeve or outer race is held so that the REB sleeve or outer race does not rotate relative to the bearing housing. This dual purpose is achieved using an anti rotation ring and a damping ring. The anti rotation ring includes at least one anti rotation feature for engaging the bearing housing and at least one anti rotation feature for engaging the REB cartridge sleeve or outer race. The damping ring axially locates the REB cartridge and dampens axial movement and cushions axial thrust.

No. of Pages : 29 No. of Claims : 16

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : SIMPLIFIED VARIABLE GEOMETRY TURBOCHARGER WITH INCREASED FLOW RANGE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:61/410519 :05/11/2010 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)BORGWARNER INC. Address of Applicant :Patent Department 3850 Hamlin Road Auburn Hills Michigan 48326 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)WATSON John P.</li> <li>2)GRABOWSKA David G.</li> </ul>
Filing Date	:03/11/2011	
(87) International Publication No	:WO 2012/061545	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A variable geometry turbocharger is simplified yet able to maintain pulse energy. In a first embodiment a turbine housing is provided with a pivoting flow control valve which pivots about a point near the entry to the turbine housing. By moving the valve about the pivot point the effective volume of the turbine housing volute is varied thus effectively reducing the volume of exhaust gas in the volute allowing control of exhaust gas flowing to the turbine wheel. In the second embodiment of the invention a rotating wedge segment within the volute is rotated from a first position to a second position changing the effective volume of the volute and allowing control of exhaust gas flowing to the turbine wheel.

No. of Pages : 42 No. of Claims : 14

### (19) INDIA

(22) Date of filing of Application :15/05/2013

### (43) Publication Date : 21/11/2014

### (54) Title of the invention : EXHAUST GAS TURBOCHARGER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:PCT/US2011/057422 :24/10/2011 :WO 2012/058135 :NA :NA	<ul> <li>(71)Name of Applicant : <ul> <li>1)BORGWARNER INC.</li> <li>Address of Applicant :Patent Department 3850 Hamlin Road</li> </ul> </li> <li>Auburn Hills Michigan 48326 U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)HEIDINGSFELDER Leif</li> <li>2)RAMB Thomas</li> <li>3)FITTING Thomas</li> <li>4)STILGENBAUER Michael</li> <li>5)CHRISTMANN Ralf</li> </ul> </li> </ul>
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(57) Abstract :

The invention relates to an exhaust gas turbocharger (1) having a compressor (2) which has a compressor housing (3) having a turbine (4) which has a turbine housing (5) having a bearing housing (6) between the compressor housing (3) and the turbine housing (5) and having a control capsule (7) which has a housing (8) on which is provided a retaining device (9) which interacts with a fastening device (10) on the turbocharger in order to fix the control capsule (6) to the compressor housing (3) the turbine housing (5) or the bearing housing (6) wherein the retaining device (9) is arranged on an outer circumferential region (11) of the control capsule (7) and wherein the fastening device (10) fixes the retaining device (9) in a non positively locking manner.

No. of Pages : 17 No. of Claims : 13

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : EXHAUST GAS TURBOCHARGER AND METHOD FOR MANUFACTURING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	5	<ul> <li>(71)Name of Applicant :</li> <li>1)BORGWARNER INC.</li> <li>Address of Applicant :Patent Department 3850 Hamlin Road</li> <li>Auburn Hills Michigan 48326 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)CHRISTMANN Ralf</li> </ul>
(87) International Publication No	:WO 2012/064572	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to an exhaust gas turbocharger (1) having a charger housing (2) which has a compressor housing (3) a turbine housing (4) and a bearing housing (5) and having a control capsule (6) which is fastened to the charger housing (2) and which has a housing lower part (7) and a housing upper part (8) wherein the charger housing (2) has a fastening bracket (9) and the housing lower part (7) and the housing upper part (8) are formed as individual parts which can be preassembled to form the control capsule (6) and which are separate from the charger housing (2) and which in the mounted state of the control capsule (6) are connected to the fastening bracket (9) and to a method for manufacturing said exhaust gas turbocharger.

No. of Pages : 10 No. of Claims : 12

### (19) INDIA

(22) Date of filing of Application :06/05/2013

### (43) Publication Date : 21/11/2014

### (54) Title of the invention : EXHAUST GAS TURBOCHARGER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:PCT/US2011/059050 :03/11/2011 :WO 2012/064575 :NA :NA	<ul> <li>(71)Name of Applicant : <ul> <li>1)BORGWARNER INC.</li> <li>Address of Applicant :Patent Department 3850 Hamlin Road</li> </ul> </li> <li>Auburn Hills MI 48326 U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)KOERNER Thomas</li> <li>2)RENETT Michael</li> <li>3)HORNBACH Johannes</li> </ul> </li> </ul>
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(57) Abstract :

The invention relates to an exhaust gas turbocharger (1) having a compressor (2) which has a compressor wheel (3) in a compressor housing (4); having a turbine (5) which has a turbine wheel (6) in a turbine housing (7); having a bearing housing (8) which receives a static bearing bush (9) for a rotor shaft (10) and which has at the compressor side a bearing housing cover (11) and having a bearing bush rotation prevention means (12) which has at least one lug (13 14 15) supported in the bearing housing (8) and which engages into at least one of two grooves (16 17) of the bearing bush (9) wherein the grooves (16 17) are arranged diametrically oppositely on an outer circumferential region (18) of the bearing bush (9).

No. of Pages : 26 No. of Claims : 18

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : RAZOR COMPRISING A MOLDED SHAVING AID COMPOSITION COMPRISING A PYRITHIONE SOURCE

classification:A01N43/90,A01N39/16,A01N25/341)T(31) Priority Document No:PCT/CN2011/000320A(32) Priority Date:28/02/2011Paten(33) Name of priority country:China0212'(86) International Filing Date:PCT/US2012/0269331)C(87) International Publication No:WO 2012/1187983)L(87) International Publication No:WO 2012/1187985)W	<ul> <li>1)Name of Applicant :</li> <li>1)THE GILLETTE COMPANY <ul> <li>Address of Applicant :World Shaving Headquarters IP/Legal</li> <li>tent Department 3E One Gillette Park Boston Massachusetts</li> <li>1:27 U.S.A.</li> </ul> </li> <li>2)Name of Inventor : <ul> <li>1)COOK Jason Edward</li> </ul> </li> <li>2)JIANG Chunpeng</li> <li>3)LIMBERG Brian Joseph</li> <li>4)SMITH Edward Dewey III</li> <li>5)WANG Juan</li> <li>6)WANG Xiaoyong</li> </ul>
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(57) Abstract :

Razors comprising a shaving aid comprising a soap base and a pyrithione source.

No. of Pages : 45 No. of Claims : 15

(21) Application No.4043/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : STEERING WHEEL INCLUDING HEATING ELEMENT (51) International classification :B62D1/06,B62D1/04 (71)Name of Applicant : (31) Priority Document No :1020100102514 1)HWAJIN CO. LTD. (32) Priority Date Address of Applicant :206 1 Donam dong Yeongcheon si :20/10/2010 (33) Name of priority country :Republic of Korea Gyeongsangbuk Do 770 130 Republic of Korea (86) International Application No :PCT/KR2011/002166 (72)Name of Inventor : 1)CHO Man Ho Filing Date :30/03/2011 (87) International Publication No :WO 2012/053707 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A steering wheel including a heating element which heats an entire rim to a uniform temperature. The heating element is coated as an electrically conductive paste on a surface of the rim, and is formed such that an electrical resistsince increases away from an inner diameter portion of the rim toward an outer diameter portion of the rim.

No. of Pages : 18 No. of Claims : 4

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHODS OF INCREASING SOLUBILITY OF POORLY SOLUBLE COMPOUNDS AND METHODS OF MAKING AND USING FORMULATIONS OF SUCH COMPOUNDS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A61K9/70,A61K9/00,A61K31/00 :PCT/US2010/002821 :22/10/2010	<ul> <li>(71)Name of Applicant :</li> <li>1)API GENESIS LLC</li> <li>Address of Applicant :12500 Fair Lakes Circle Suite 400</li> </ul>
(32) Name of priority country		Fairfax VA 22033 U.S.A.
(86) International Application No Filing Date	:PCT/US2011/001802 :24/10/2011	<ul><li>(72)Name of Inventor :</li><li>1)BIRBARA Philip J.</li></ul>
(87) International Publication No	:WO 2012/054090	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The subject invention relates to novel soluble forms of planar ring structured organic compounds including flavonoids and their production. The invention also includes the use of these novel formulations of planar ring structured organic compounds in the preparation of formulations and products. The invention also relates to a wide variety of applications of the formulations of the invention. The subject invention includes novel soluble forms and various formulations of flavonoids. Further the invention includes novel methods of manufacturing the flavonoid formulations. The invention also relates to a wide variety of applications of the flavonoid formulations of the flavonoid formulations.

No. of Pages : 96 No. of Claims : 56

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : INJECTION MOLD FOR A WAX MODEL OF A TURBINE BLADE HAVING AN ISOSTATIC CORE HOLDER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> </ul>	n:B22C7/02,B22C21/14,B29C45/14 :1058507 :19/10/2010 :France :PCT/FR2011/052410	<ul> <li>(71)Name of Applicant :</li> <li>1)SNECMA</li> <li>Address of Applicant :socit anonyme 2 Boulevard du Gnral</li> <li>Martial Valin F 75015 Paris France</li> <li>(72)Name of Inventor :</li> <li>1)POURFILET Patrick</li> </ul>
Filing Date (87) International Publication	:14/10/2011 :WO 2012/052665	2)QUACH Daniel 3)VERGER Jean Louis Martial
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to an injection mold for producing a model of a turbine engine blade comprising a top surface that folds onto a bottom surface both surfaces having long rods for supporting a core (2) for generating cooling cavities inside the blade wherein said long rods of the bottom surface are to contact a first surface (12) of the airfoil at bearing points (A51 to A53) and said long rods of the top surface are to contact a second surface of said airfoil at clamping points. The injection mold is characterized in that it also comprises at least one short rod (TF51 to TF53 TF55 to TF57) extending from one of the surfaces of the mold and pointing towards a false point (F51 to F53 F55 to F57) located on one of the surfaces (12b 22b) of the airfoil (2b) the length of the short rod being shorter than the distance between the surface of the mold and the surface of the blade at the aforementioned false point and the difference between said length and said distance being equal to the tolerance in relation to the positioning of the false point in the event of a deformation of the core.

No. of Pages : 23 No. of Claims : 10

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD OF OPERATING A MOBILE CONTROL UNIT OF A HOME AUTOMATION INSTALLATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:G08C17/02,H04L29/06 :10 58766 :26/10/2010 :France :PCT/EP2011/068635 :25/10/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)SOMFY SAS <ul> <li>Address of Applicant :50 avenue du Nouveau Monde F 74300</li> </ul> </li> <li>Cluses France <ul> <li>(72)Name of Inventor :</li> <li>1)ORSAT Jean Michel</li> </ul> </li> </ul>
(87) International Publication No	:WO 2012/055858	2)PELLARIN Florent
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract :

Method of operating a mobile control unit intended to form successively and alternately part : of a first home-automation installation, and of a second home-automation installation, characterized in that it comprises: a step of locating the mobile control unit in relation to the first home-automation installation and/or in relation to the second home-automation installation, a step of automatically selecting a common key in the mobile control unit, according to the result of the locating step.

No. of Pages : 32 No. of Claims : 15

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : CONVEYOR SYSTEM BELT AND METHOD FOR MEASURING AND CONTROLLING STATIC ELECTRICITY

(51) International classification	:B65G15/30	(71)Name of Applicant :
(31) Priority Document No	:61/405705	1)LAITRAM L.L.C.
(32) Priority Date	:22/10/2010	Address of Applicant :Legal Department 200 Laitram Lane
(33) Name of priority country	:U.S.A.	Harahan Louisiana 70123 U.S.A.
(86) International Application No	:PCT/US2011/056190	(72)Name of Inventor :
Filing Date	:13/10/2011	1)DEPASO Joseph M.
(87) International Publication No	:WO 2012/054304	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Conveying systems and method for detecting the presence of static electric charge on a conveyor. The conveyor system includes a conveyor with an outer conveying surface. Embedded or external static electricity sensors make measurements of static electricity on the belt s conveying surface. A controller uses the measurements to control the level of electric charges on the belt by transferring charge to or from the belt.

No. of Pages : 14 No. of Claims : 34

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : THERAPEUTIC COMPOSITIONS FOR DIABETIC SYMMETRICAL POLYNEUROPATHY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> <li>Filing Date</li> </ul> </li> </ul>	:A61K31/5513,A61K31/46,A61K31/496 :61/406502 :25/10/2010 :U.S.A. :PCT/CA2011/001186 :24/10/2011 :WO 2012/055018 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>UNIVERSITY OF MANITOBA</li> <li>Address of Applicant :Technology Transfer Office 631 Drake</li> </ol> </li> <li>Centre 181 Freedman Crescent Winnipeg Manitoba R3T 5V4</li> <li>Canada</li> <li>(72)Name of Inventor : <ol> <li>FERNYHOUGH Paul</li> <li>CALCUTT Nigel A.</li> </ol> </li> <li>3)KOTRA Lakshmi</li> </ul>
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### (57) Abstract :

Compositions for therapy of a diabetic symmetrical polyneuropathy a subject in need thereof the compositions comprising: an effective amount of a muscarinic acetylcholine receptor antagonist exemplified by pirenzepine telenzepine atropine or derivatives thereof or salts thereof or analogs thereof or derivatives thereof and a pharmacologically acceptable carrier. The composition may be injectable or alternatively may be applied topically or alternatively may be delivered orally. A suitable topical composition may comprise a lotion a cream a gel or a viscous fluid. The muscarinic acetylcholine receptor antagonist may be a muscarinic acetylcholine receptor antagonist derivative or a muscarinic acetylcholine receptor antagonist analog.

No. of Pages : 75 No. of Claims : 25

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : RECYCLABLE PLASTIC STRUCTURAL ARTICLES AND METHOD OF MANUFACTURE

(51) International classification	n:E01B3/44,B60R19/03,B29C49/02	(71)Name of Applicant :
(31) Priority Document No	:12/913132	1)ROBERTS Richard W. Jr.
(32) Priority Date	:27/10/2010	Address of Applicant :4320 Dillingham Drive Tecumseh
(33) Name of priority country	:U.S.A.	Michigan 49286 U.S.A.
(86) International Application No Filing Date	:PCT/US2011/058119 :27/10/2011	<ul><li>(72)Name of Inventor :</li><li>1)ROBERTS Richard W. Jr.</li></ul>
(87) International Publication No	:WO 2012/058447	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The plastic structural article includes an elongated tubular shell having opposed end sections a middle section therebetween and an interior cavity. The interior cavity has a foam core situated therein. The foam core comprises steam expandable polymer beads which when expanded substantially fill the interior cavity.

No. of Pages : 32 No. of Claims : 30

(19) INDIA(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : COMPOSITIONS AND METHODS FOR THE DELIVERY OF THERAPEUTICS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:A61K9/14 :61/409372 :02/11/2010 :U.S.A. :PCT/US2011/058929 :02/11/2011 :WO 2012/061480 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA <ul> <li>Address of Applicant :986099 Nebraska Medical Center</li> <li>Omaha NE 68198 6099 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)GENDELMAN Howard E.</li> <li>2)KABANOV Alexander V.</li> <li>3)LIU Xin ming</li> </ul> </li> </ul>
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(57) Abstract :

The present invention provides compositions and methods for the delivery of therapeutics to a cell or subject.

No. of Pages : 127 No. of Claims : 23

(21) Application No.4456/DELNP/2013 A

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:G06F17/50 :12/973744 :20/12/2010 :U.S.A. :PCT/US2011/065862 :19/12/2011 :WO 2012/087941 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)AMAZON TECHNOLOGIES INC. Address of Applicant :P.O. Box 8102 Reno Nevada 89507 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)BRANDWINE Eric Jason</li> <li>2)SIVASUBRAMANIAN Swaminathan</li> <li>3)MARSHALL Bradley E.</li> <li>4)CEPTAIN Tate Andrew</li> </ul>
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA	· ·
Filing Date	:NA	

### (54) Title of the invention : TECHNIQUES FOR NETWORK REPLICATION

(57) Abstract :

In response to a request to duplicate a network the network is duplicated. The duplicate network includes one or more virtual devices that correspond to one or more devices in the network being duplicated. The devices of the duplicate network are communicatively arranged in a manner consistent with a topology of the network being duplicated. Once the duplicate network is created access to the duplicate network is provided.

No. of Pages : 40 No. of Claims : 13

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : LUBRICATING GREASE COMPOSITION

<ul> <li>(51) International classification</li> <li>(31) Priority Document</li> <li>No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International</li> <li>Application No     <ul> <li>Filing Date</li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> <li>Filing Date</li> </ul> </li> </ul>	:C10M169/00,B23Q11/12,C10M101/02 :2010240575 :27/10/2010 :Japan :PCT/JP2011/074624 :26/10/2011 :WO 2012/057181 ':NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LUBE CORPORATION <ul> <li>Address of Applicant :HORIZON.1 3 30 16 Nishiwaseda</li> </ul> </li> <li>Shinjuku ku Tokyo 1690051 Japan <ul> <li>2)KYODO YUSHI CO. LTD.</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)ARIYASU Takayuki</li> <li>2)DONG Daming</li> <li>3)OZEKI Hiroshi</li> <li>4)NAMIKI Minoru</li> <li>5)YOSHINARI Terasu</li> </ul> </li> </ul>
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(57) Abstract :

The present invention provides a lubricating grease composition for a machine tool equipped with an automatic grease supply device which contains a base oil having a kinematic viscosity at 40°C of 10 200 mm/s and 0.1 10% by mass of a solid powder that is not soluble in the base oil and which has a worked penetration of 400 500. This lubricating grease composition can be supplied by an automatic grease supply device that is attached to a machine tool and is capable of suppressing the occurrence of stick slip in a sliding surface lubrication part of the machine tool.

No. of Pages : 14 No. of Claims : 4

(21) Application No.4326/DELNP/2013 A

(19) INDIA(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:A23C19/082,A23L1/39	(71)Name of Applicant :
(31) Priority Document No	:2010262220	1)Meiji Co. Ltd.
(32) Priority Date	:25/11/2010	Address of Applicant :2 10 Shinsuna 1 chome Koto ku Tokyo
(33) Name of priority country	:Japan	1368908 Japan
(86) International Application No	:PCT/JP2011/076980	(72)Name of Inventor :
Filing Date	:24/11/2011	1)NISHIMURA Miho
(87) International Publication No	:WO 2012/070599	2)KIMURA Yoshiharu
(61) Patent of Addition to Application	:NA	3)KAWABATA Shiro
Number	:NA :NA	4)KOMORI Motoharu
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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### (54) Title of the invention : CHEESE AND RETORT POUCH FOOD USING SAME

(57) Abstract :

Disclosed are: a cheese said cheese retaining the shape of cheese even after retort sterilization melting to give a mild and soft texture when heated before serving and showing good stringiness; and a retort pouch pasta sauce using the cheese said retort pouch pasta sauce showing stable cheese properties even under acidic conditions and having a good sauce taste. The aforesaid cheese is a process cheese comprising 0.5 5.0 wt% of trisodium citrate and 0.5 10 wt% of trehalose together with Mozzarella cheese and a cheese other than Mozzarella cheese wherein the blend ratio by mass between said Mozzarella cheese to said cheese other than Mozzarella cheese is 10:90 100:0.

No. of Pages : 18 No. of Claims : 13

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : PROCESS FOR REMOVING DEGRADATION ACIDS FROM HYDROFORMYLATION REACTIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:B01J38/48 :12/982177 :30/12/2010 :U.S.A. :PCT/US2011/066348 :21/12/2011 :WO 2012/092048	<ul> <li>(71)Name of Applicant :</li> <li>1)EASTMAN CHEMICAL COMPANY Address of Applicant :200 South Wilcox Drive Kingsport TN 37660 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)LIU Yun Shan</li> </ul>
11		
(87) International Publication No		1)LIO Yun Shan
(61) Patent of Addition to Application	:NA	
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process for removing degradation acids from a catalyst solution comprising a phosphorus containing hydroformylation ligand used in a hydroformylation reaction is described. The process involves using a supported epoxy compound. Also described is a hydroformylation process that includes the degradation acids removal process.

No. of Pages : 27 No. of Claims : 15

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : EQUIPMENT COMPRISING A ROTATABLE CRADLE AND INTENDED FOR COATING THE AIRFOIL OF A TURBINE BLADE IN ORDER TO MACHINE THE ROOT

(51) International classification (31) Priority Document No	:B23Q3/06,B23Q3/08,B25B5/14 :1058506	(71)Name of Applicant : 1)SNECMA
(32) Priority Date	:19/10/2010	Address of Applicant :socit anonyme 2 Boulevard du Gnral
(33) Name of priority country	:France	Martial Valin F 75015 Paris France
(86) International Application N	o:PCT/FR2011/052411	(72)Name of Inventor :
Filing Date	:14/10/2011	1)CHACON Jos
(87) International Publication N	o :WO 2012/052666	2)ROUSSEL Jean Jacques Michel
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to equipment for coating the airfoil of a turbine blade of a turbine engine in a coating block comprising a base (11) on which a molding block (12) is positioned for the flow of the coating metal said molding block comprising a cavity defining a reference plane on the block for positioning same in space wherein said base (11) also has a cradle (13) for supporting the blade via six bearing points defining a so called orientation plane representative of the angular position of the airfoil relative to the root of the blade characterized in that the cradle (13) is rotatably movable relative to said base (11) about an axis oriented so as to be substantially parallel to the direction of the leading edge of the blade so as to enable a modification in the angle formed between said reference and orientation planes.

No. of Pages : 17 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :21/05/2013

(54) Title of the invention : SOLID PHASE EXTRACTION METHOD

(43) Publication Date : 21/11/2014

(• •) ••••• ••• ••• ••• ••• ••• ••• •		
(51) International classification	:C07B59/00	(71)Name of Applicant :
(31) Priority Document No	:1021263.7	1)GE HEALTHCARE LIMITED
(32) Priority Date	:15/12/2010	Address of Applicant : Amersham Place Little Chalfont
(33) Name of priority country	:U.K.	Buckinghamshire HP7 9NA U.K.
(86) International Application No	:PCT/EP2011/072781	(72)Name of Inventor :
Filing Date	:14/12/2011	1)MANTZILAS Dimitrios
(87) International Publication No	:WO 2012/080349	2)OLAUSSEN Gry Helene
(61) Patent of Addition to Application	•NT A	3)WICKSTROM Torild
Number	:NA	4)HORN Eric
Filing Date	:NA	5)KHAN Imtiaz
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a method to prepare an F labelled tricyclic indole compound comprising a solid phase extraction (SPE) purification step. This method is particularly suitable for carrying out the radiofluorination method on an automated synthesiser. In addition to the radiofluorination method the present invention provides a cassette designed to carry out the method on an automated synthesiser.

No. of Pages : 35 No. of Claims : 23

(21) Application No.4237/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : BEVEL HEAD ATTACHMENT FOR PLASMA AND OXY FUEL CUTTING MACHINES (51) International classification :B23K37/02 (71)Name of Applicant : (31) Priority Document No 1)KOIKE ARONSON INC. :12/916914 Address of Applicant :635 Main Street Arcade NY 14009 (32) Priority Date :01/11/2010 (33) Name of priority country :U.S.A. U.S.A. (86) International Application No :PCT/US2011/057660 (72)Name of Inventor : Filing Date :25/10/2011 1)FLAIG Robert T. (87) International Publication No :WO 2012/061123 2)TISCHLER Garick J. (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract :

A bevel head attachment comprises a rotation axis normal to a cutting plane and a rotary assembly having cylindrical inner and outer barrels and a bevel arm. The bevel arm carries a tilt arm having a torch clamp. The tilt arm rotates about a tilt axis forming an acute angle with the rotation axis. A rotation drive motor operable to rotate the bevel arm about the rotation axis and a tilt drive motor operable to rotate the tilt arm about the tilt axis are located remotely from the torch clamp. The tilt drive motor is connected to the tilt arm through the outer barrel. The motors are commanded according to only two transformation equations to rotate a torch held by the tilt arm about the rotation and tilt axes to achieve planer tilt adjustment. The lightweight attachment provides unlimited rotation and locates sensitive electronic elements away from the torch.

No. of Pages : 26 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :13/05/2013

(54) Title of the invention : PATHOGEN	SENSOR	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C12Q1/00,C12Q1/04 :1020619.1 :06/12/2010 :U.K.	<ul> <li>(71)Name of Applicant :</li> <li>1)SYNGENTA LIMITED Address of Applicant :European Regional Centre Priestley Road Surrey Research Park Guildford Surrey GU2 7YH U.K.</li> <li>(72)Name of Inventor :</li> <li>1)GRIEVE Bruce Donaldson</li> <li>2)PERFECT Sarah</li> <li>3)WEISS Sophie</li> </ul>

(57) Abstract :

A pathogen sensor comprising a growth medium upon which and/or within which a pathogen may grow the growth medium comprising nutrients which facilitate growth of the pathogen wherein the pathogen sensor further comprises an electronic detection apparatus configured to detect an electrochemical change mediated by the pathogen.

No. of Pages : 50 No. of Claims : 27

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : NOVEL SPECIFIC HCV NS3 PROTEASE INHIBITORS

Document No.01/408989U.S.A.(32) Priority Date:01/11/20102)GENOSCI(33) Name of priority country:U.S.A.(72)Name of It(86) International Application No Filing Date:PCT/US2011/0584042)HALFON3)BOUZIDI 4)COATS St	RMA LLC f Applicant :1860 Montreal Road Tucker GA 30084 CIENCE PHARMA Inventor : MBECK Jerome F Philippe I Mourad
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(57) Abstract :

The present invention is directed to compounds compositions and methods for treating or preventing viral infections in particular HCV in human patients or other animal hosts.

No. of Pages : 39 No. of Claims : 10

(21) Application No.4497/DELNP/2013 A

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:A61B17/58	(71)Name of Applicant :
(31) Priority Document No	:61/417981	1)SINHA Amit
(32) Priority Date	:30/11/2010	Address of Applicant :2112 Fairwold Lane Fort Washington
(33) Name of priority country	:U.S.A.	PA 19034 U.S.A.
(86) International Application No	:PCT/US2011/062370	(72)Name of Inventor :
Filing Date	:29/11/2011	1)SINHA Amit
(87) International Publication No	:WO 2012/074991	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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### (54) Title of the invention : BONE COMPRESSION AND FIXATION DEVICES

(57) Abstract :

A bone screw for drawing first and second bone fragments together includes a shaft having a distal section and a proximal section. The distal section has a first external male screw thread and a minor diameter. The proximal section has a second external male screw thread. A major diameter of the distal section is larger than a major diameter of the proximal section. The bone screw includes a sleeve that has an internal female screw thread configured to mate with the second male screw thread. A distal portion of the sleeve has an outer diameter. The outer diameter is equal to or smaller than the minor diameter of the distal section of the shaft.

No. of Pages : 30 No. of Claims : 28

(21) Application No.4498/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:G01K3/04,G01K11/06	(71)Name of Applicant :
(31) Priority Document No	:1019308.4	1)TIMESTRIP UK LIMITED
(32) Priority Date	:15/11/2010	Address of Applicant :90 Long Acre Covent Garden London
(33) Name of priority country	:U.K.	WC2E 9RZ U.K.
(86) International Application No	:PCT/GB2011/052223	(72)Name of Inventor :
Filing Date	:15/11/2011	1)RABINOWITZ Avi
(87) International Publication No	:WO 2012/066320	2)MAGEN Erez
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		1

### (54) Title of the invention : LOWER THRESHOLD TEMPERATURE INDICATOR DEVICE

(57) Abstract :

A device for indicating that an ambient temperature has fallen to or below a predetermined lower threshold temperature. The device includes: a porous membrane having first and second spatially separate zones; a first freezable liquid infused in the porous membrane the first freezable liquid having a freezing point corresponding to the predetermined lower threshold temperature; a second liquid for contacting the first zone of the porous membrane the second liquid being immiscible with the first liquid; and an indicator window for indicating migration of the second liquid from the first zone to the second zone. The membrane infused with the first liquid at or below the threshold temperature. The device is useful in applications where products degrade below a certain lower threshold temperature.

No. of Pages : 31 No. of Claims : 15

(22) Date of filing of Application :15/05/2013

### (43) Publication Date : 21/11/2014

### (54) Title of the invention : DEVICE AND METHOD FOR IMMUNOTRIALS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G01N33/558,G01N33/543,G01N33/569 :1059431 :17/11/2010 :France :PCT/FR2011/052663 :16/11/2011 :WO 2012/066235 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BIOM%RIEUX Address of Applicant :Chemin de lOrme F 69280 Marcy Letoile France</li> <li>(72)Name of Inventor :</li> <li>1)BRIAND HI"ne</li> <li>2)COLIN Bruno</li> <li>3)PARIS Ceile</li> </ul>
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### (57) Abstract :

The present invention relates to a device and a method for carrying out a trial to determine the presence or the absence of at least one analyte in a liquid sample the device comprising: a) a support b) a matrix 1 fixed on the support which allows the migration of the liquid sample said matrix comprising: (i) a zone of application of the liquid sample 2 (ii) a marking zone 3 comprising at least one first marked bonding partner which is able to bond to said at least one analyte if it is present in the liquid sample and which is able to bond with at least one analog of the analyte and (iii) at least one reaction zone 4 comprising: a zone of visualization of the results of the trial comprising at least one second immobilized bonding partner which is able to bond with said at least one analyte and a monitoring zone 6 downstream of the results visualization zone 5 or parallel to the results visualization zone 5 which makes it possible to monitor the proper operation of the device and which comprises at least one analog of said at least one analyte which is able to bond with said at least first marked bonding partner; said zone of application of the liquid sample 2 marking zone 3 and reaction zone 4 being in fluid communication.

No. of Pages : 26 No. of Claims : 17

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : FUNCTIONALIZATION PROCESSES AND REACTANTS USED IN SUCH PROCESSES USING AN ISATOIC ANHYDRIDE OR A DERIVATIVE THEREOF BIOLOGICAL MOLECULES THUS TREATED AND KITS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:1060102 :06/12/2010 :France :PCT/FR2011/052863 :05/12/2011 :WO 2012/076794 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BIOMERIEUX <ul> <li>Address of Applicant :Chemin de lOrme F 69280 Marcy</li> </ul> </li> <li>IEtoile France <ul> <li>(72)Name of Inventor :</li> <li>1)BURR Arnaud</li> <li>2)LAAYOUN Ali</li> <li>3)LAURENT Alain</li> </ul> </li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract :

The present invention relates to a process for functionalizing at least one ribonucleic acid (RNA) molecule which comprises the following steps: a) providing at least: one linker molecule consisting of an isatoic anhydride or a derivative thereof one group of interest and one linker arm which links the linker molecule to the group of interest b) reacting the anhydride function of the linker molecule with at least one hydroxyl group carried: in the 2 position of the ribose of one of the nucleotides of the RNA and/or in the 2 and/or 3 position(s) of the ribose of the nucleotide at the 3 terminal end of the RNA and c) obtaining an anthranilate which links the RNA to the group of interest by means of the linker arm. The invention also relates to a functionalization reactant that can be used in such processes to a functionalized biological RNA molecule which can be obtained by means of these processes and to a kit for detecting a target RNA molecule comprising such a reactant. Said invention is of preferential use in the diagnosis field.

No. of Pages : 123 No. of Claims : 15

(21) Application No.4334/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:H03M13/29,H04L1/00 :2010259665 :22/11/2010 :Japan :PCT/JP2011/076173	<ul> <li>(71)Name of Applicant :</li> <li>1)SONY CORPORATION Address of Applicant :1 7 1 Konan Minato ku Tokyo 1080075 </li> <li>Japan (72)Name of Inventor :</li></ul>
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:14/11/2011 :WO 2012/070416 :NA :NA	1)SHINYA Osamu 2)YOKOKAWA Takashi 3)MICHAEL Lachlan Bruce
(62) Divisional to Application Number Filing Date	:NA :NA	

## (54) Title of the invention : DATA PROCESSING DEVICE AND DATA PROCESSING METHOD

(57) Abstract :

The present invention relates to a data processing device and data processing method capable of easily performing processing of control data for which the PAPR has been improved. In a transmission device of the present invention a padder (21) pads control data required for performing demodulation with zeros which are dummy data whereupon a scrambler (101) performs scrambling for the control data after padding (post padding control data). A replacer unit (121) replaces the scrambled dummy data among the post padding control data after scrambling with dummy data whereupon a BCH encoder (22) and an LDPC encoder (23) perform BCH encoding and LDPC encoding respectively as error correction coding of the replaced data acquired by the replacement. A truncation unit (21) performs deletion of the dummy data included in the LDPC code and truncation which is puncturing of the parity bits of the LDPC code. The present invention can be applied for example when error correcting the control data in order to transmit thereof.

No. of Pages : 80 No. of Claims : 21

(21) Application No.4284/DELNP/2013 A

(19) INDIA(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : WOVEN TEXTILE FABRIC AND INNERDUCT HAVING MULTIPLE INSERTED FILLING YARNS

(57) Abstract :

An innerduct for segregating cables in a conduit is provided wherein the innerduct is constructed from one or more strip shaped lengths of a woven textile fabric and configured to provide multiple longitudinal compartments for the cables and the textile fabric has a warp of monofilament yarn ends and a filling of a combination of monofilament and multifilament yarn picks with the multifilament yarn picks being multiple inserted yarns.

No. of Pages : 26 No. of Claims : 15

(19) INDIA(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:A01G1/04	(71)Name of Applicant :
(31) Priority Document No	:2010/08305	1)UNIVERSITY OF PRETORIA
(32) Priority Date	:19/11/2010	Address of Applicant :Cnr. Lynnwood & University Roads
(33) Name of priority country	:South Africa	Hatfield 0002 Pretoria South Africa
(86) International Application No	:PCT/IB2011/055183	(72)Name of Inventor :
Filing Date	:18/11/2011	1)MEYER Linda
(87) International Publication No	:WO 2012/066511	2)VAN HEERDEN An
(61) Patent of Addition to Application	:NA	3)KORSTEN Lise
Number	:NA	
Filing Date	.1174	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Alastra et :		•

#### (54) Title of the invention : METHOD FOR PREPARING CASING MATERIAL

(57) Abstract :

This invention relates to a method for preparing casing material for mushroom production including the steps of providing a body of plant parenchyma tissue extracted from a plant source; mixing the body with water to provide a starting mixture; and allowing the starting mixture to compost to form the casing material. The method may include the further step of adding a decomposition enhancer to the starting mixture. The invention further relates to casing material prepared in accordance with the method and to a method of producing mushrooms using the casing material.

No. of Pages : 17 No. of Claims : 12

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : SYSTEM OF VARIABLE HYDROSTATIC GUIDEWAY FOR VERTICAL LATHES AND A VERTICAL LATHE THAT INCLUDES SAID GUIDEWAY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:B23Q1/38,B23Q1/52,F16C32/06 :NA :NA :NA :PCT/ES2010/070730 :15/11/2010 :WO 2012/066152 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BOST MACHINE TOOLS COMPANY S.A. Address of Applicant :Ctra. Billabona Asteasu km 2.5 E 20159 Asteasu (Guip°zcoa) Spain</li> <li>(72)Name of Inventor :</li> <li>1)GARCIA CALDERN Emilio</li> <li>2)BENGOECHEA UBARRECHENA Elisabete</li> </ul>
. ,	:NA :NA	

(57) Abstract :

The invention relates to a variable hydrostatic guideway for vertical lathes that includes a plurality of sectors (4) arranged between the periphery (1b) and a central opening (1a) of an annular base (1) each sector (4) including an upper housing (4a) having an outlet for hydraulic fluid (4b) such that when the injected hydraulic fluid overflows from the housings (4a) it forms a film between a rotating plate (3) and the sectors (4); a positioning mechanism that includes a plurality of hydraulic cylinders (5) attached radially to the annular base (1) between the central opening (1a) and the sectors (4) the rod of each hydraulic cylinder (5) being connected to a piston (5j) and to one of the sectors (4); each sector (4) is guided in a radial guidance element (6) such that by the action of the hydraulic cylinder (5) the sector (4) can move between an inside radial position and an outside radial position.

No. of Pages : 27 No. of Claims : 18

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : METHOD AND APPARATUS FOR APPLYING A LUBRICANT WHILE ROLLING METALLIC ROLLED STOCK

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	n:B21B27/10,B21B45/02,B05B1/14 :10195330.5 :16/12/2010 :EPO	<ul> <li>(71)Name of Applicant :</li> <li>1)SIEMENS VAI METALS TECHNOLOGIES GMBH Address of Applicant :Turmstrae 44 A 4031 Linz Austria</li> <li>(72)Name of Inventor :</li> </ul>
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:PCT/EP2011/065165 :02/09/2011 :WO 2012/079785	1)ATALLA Valentin 2)CHEN Jian 3)DIRISAMER Gernot 4)EDER Manfred 5)HALLER Kurt
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:NA :NA	6)KRIMPELST,,TTER Konrad 7)MAZUROWSKI Krzysztof
Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a method for applying a lubricant while rolling metallic rolled stock in particular a rolled strip (24) guided through a roll gap (8) between two work rolls (2 2) characterized by the following method steps: producing a mixture of lubricant and a carrier gas in an atomization device (4); supplying the mixture to individual spray nozzles (5) of an arrangement of spray nozzles in order to produce a continuous overall spray jet (19) in the direction of the width of the rolled strip; applying the mixture by means of the overall spray jet (19) to the surface (21) of at least one of the work rolls and/or to the surface (23) of the rolled strip (24).

No. of Pages : 19 No. of Claims : 19

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ENHANCED DEPOSITION OF CHROMOGENS UTILIZING PYRIMIDINE ANALOGS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> </ul>	:C12Q1/68,G01N33/52,G01N33/531 :61/460349 :30/12/2010 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)VENTANA MEDICAL SYSTEMS INC. Address of Applicant :1910 E. Innovation Park Drive Tucson AZ 85755 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)MAY Emis I</li> </ul>
country (86) International Application No Filing Date (87) International Publicatio No	:PCT/US2011/067481 :28/12/2011 <sup>n</sup> :WO 2012/092322	1)MAY Eric J. 2)MURILLO Adrian E. 3)KOSMEDER Jerome W.
<ul> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	

#### (57) Abstract :

This disclosure relates to compositions that enhance the deposition of detectable moieties on tissue samples methods utilizing these compositions and kits including these compositions. The compositions include a deposition enhancer having a formula and/or where R R R and R are independently selected from aliphatic aryl halogen a heteroatom containing moiety and hydrogen; R and/or R can be bound to R to form a fused aromatic ring system; R5 is selected from a heteroatom containing moiety; A is selected from a carbon atom a heteroatom other than sulfur and any combination thereof; n is 1 5 an enzyme a specific binding moiety and a detectable moiety.

No. of Pages : 103 No. of Claims : 25

(19) INDIA(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHODS FOR THE PREPARATION OF CHARGED CROSSLINKERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:61/421357 :09/12/2010 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)IMMUNOGEN INC.</li> <li>Address of Applicant :830 Winter Street Waltham</li> <li>Massachusetts 02451 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)LI Wei</li> <li>2)ZHAO Robert Yongxin</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

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### (57) Abstract :

Processes for the preparation of charged crosslinkers bearing a sulfonic acid moiety are disclosed. These procedures also optionally include methods to convert the resulting products to substantially a single salt form.

No. of Pages : 74 No. of Claims : 104

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

#### (51) International classification :G06F21/00 (71)Name of Applicant : (31) Priority Document No 1)PAMPAGNIN No«l :10/04104 (32) Priority Date Address of Applicant :27 bis rue Vautier F 94340 Joinville le :20/10/2010 (33) Name of priority country Pont France :France (86) International Application No :PCT/FR2011/000563 (72)Name of Inventor : Filing Date :20/10/2011 1)PAMPAGNIN No«l (87) International Publication No :WO 2012/052632 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (54) Title of the invention : METHOD FOR DISTRIBUTING DIGITAL DOCUMENTS TO WHICH USER RIGHTS ARE ATTACHED WHICH SUPPORT MULTIPLE COPYING EXCHANGE AND MULTIPLE PLATFORMS

#### (57) Abstract :

The invention relates to a method for distributing a digital document to which a multiplatform exchangeable user right capable of being multiply copied is attached to a system in which said method is implemented and to a digital document model suitable for such a system. The security of an EPUB book or more generally of an HTML or XML document is ensured by a procedure that encrypts the pages element by element at the time of output (by 10A) when the document is downloaded onto a terminal (21). The document is then opened in a technology console for navigational use beyond the navigator (widget) (50). Reading begins by activating the initialization request (221) containing the single identifier of the document to the control server 10B which returns an XML format opening ticket (231) containing the current rights. If the current rights do not allow reading processing stops there. In the opposite case the end of the loading of each XHTML page picked up by the supervisor of the page triggers the requests for decryption of said page. Said event sends the encrypted structuring elements (241) to the control server (10B) the server returning same decrypted (251) thus displaying the elements unscrambled in the navigator of the widget console. The multimedia contents and images themselves encrypted are encrypted cache implemented within the console (25) the document can be restored in partially disconnected mode or permanently disconnected by being attached onto a terminal. The requests containing the encrypted elements (242) and (252) are then addressed to the cache on behalf of the control server. The areas Z1 Z2 Z3 and Z4 represent the content the supervising agent the single identifier and the signature of a document displayed by the specialized console (50).

No. of Pages : 40 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

(34) The of the invention . Eller free E		
(51) International classification	:B62M6/75	(71)Name of Applicant :
(31) Priority Document No	:10354070.4	1)HIRN G <sup>1</sup> /anther
(32) Priority Date	:29/10/2010	Address of Applicant :30 rue Lorenzaccio F 38100 Grenobl
(33) Name of priority country	:EPO	France
(86) International Application No	:PCT/IB2011/054761	(72)Name of Inventor :
Filing Date	:25/10/2011	1)HIRN G <sup>1</sup> /4nther
(87) International Publication No	:WO 2012/056399	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : ELECTRIC DRIVE FOR A BICYCLE

(57) Abstract :

The invention relates to an electric drive for a bicycle. The electric drive comprises an electric motor and a contact roller having an outer contact surface. The motor comprises a stator having plurality of stator coils as well as corresponding magnetic rotor elements. The rotor elements are fixedly attached to an inner surface of the contact roller. According to the invention the contact roller encloses the stator. Particular embodiments provide a mounting assembly for mounting the electric drive to the bicycle s frame preferably at a component of the bicycle adapted for mounting a kickstand recess.

No. of Pages : 51 No. of Claims : 15

(21) Application No.4507/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SURFACE TREATMENT OF METAL OBJECTS

<ul> <li>(51) International</li> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> </ul>	:C23C16/442,C23C8/24,C23C12/02 :2010905095 :17/11/2010 :Australia :PCT/AU2011/001479	<ul> <li>(71)Name of Applicant :</li> <li>1)HARD TECHNOLOGIES PTY LTD Address of Applicant :160 Wickhams Road Launching Place Victoria 3139 Australia</li> <li>(72)Name of Inventor :</li> <li>1)FABIJANIC Daniel</li> </ul>
Filing Date	:17/11/2011	
(87) International Publication No	:WO 2012/065220	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The specification discloses a process for forming a diffusion surface layer extending inwardly from an outer surface of a metal substrate or member to be treated the process including in a first activation stage providing an activation treatment furnace containing an inert particulate refractory material and a metal based material including metals and metal halides for forming said diffusion surface layer the activation treatment furnace having a flow of an inert gas and a flow of an hydrogen halide gas introduced into the inert particulate refractory material and the metal based material in the activation treatment furnace for a first period of time to activate at least an outer surface region of said metal based material to form an activated metal based material; and in a subsequent diffusion stage providing a diffusion treatment furnace and introducing said metal substrate into said diffusion treatment furnace said metal substrate having been pretreated to form a diffusion zone extending inwardly from the outer surface of the metal substrate in which nitrogen has been diffused to form an inner diffusion zone and an outer compound or white layer formed at least in part by an iron nitride an iron carbide or an iron carbonitride compound without an oxide layer on said outer surface of the metal substrate treating the metal substrate in the diffusion treatment furnace sealed against the ingress of atmospheric air and under an inert gas atmosphere in the absence of hydrogen halide gas for at least a second period of time in the presence of said activated metal based material to form said diffusion surface layer on said activated metal substrate.

No. of Pages : 35 No. of Claims : 25

(21) Application No.4335/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(36) International Application No</li> <li>(86) International Application No</li> <li>(87) International Publication No</li> <li>(86) International Publication No</li> <li>(87) International Publication No</li> <li>(86) International Publication No</li> <li>(87) International Publication No</li> <li>(87) International Publication No</li> <li>(86) International Publication No</li> <li>(87) International Publication No</li> <li>(87) International Publication No</li> <li>(86) 2012/077500</li> <li>(71) Name of Application I: NA</li> <li>(62) Divisional to Application Number</li> <li>(71) Name of Application Number</li> <li>(72) Name of Inventor :</li> <li>(73) Name of Inventor :</li> <li>(74) Name of Applicant :</li> <li>(74) Name of Applicant :</li> <li>(71) Name of Applicant :</li> <li>(71) Name of Applicant :</li> <li>(72) Name of Inventor :</li> <li>(72) Name of Inventor :</li> <li>(72) Name of Inventor :</li> <li>(73) Name of Inventor :</li> <li>(74) Name of Inventor :</li> <li>(74) Name of Inventor :</li> <li>(74) Name of Inventor :</li> <li>(72) Name of Inventor :</li> <li>(72) Name of Inventor :</li> <li>(73) Name of Inventor :</li> <li>(74) Name of Inventor :</li> <li>(75) Name of Inventor :</li> <li>(76) Name of Inventor :</li></ul>			
(87) International Publication No:WO 2012/0775002)SUZUKI Hitoshi(61) Patent of Addition to Application:NA3)HIGASHINO FumiakiNumber Filing Date:NA:NA(62) Divisional to Application Number:NA	<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:2010273624 :08/12/2010 :Japan :PCT/JP2011/077047	1)HONDA MOTOR CO. LTD. Address of Applicant :1 1 Minami Aoyama 2 chome Minato ku Tokyo 1078556 Japan (72)Name of Inventor :
	<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	:WO 2012/077500 :NA :NA	2)SUZUKI Hitoshi

#### (54) Title of the invention : EXHAUST DEVICE FOR SADDLED RIDING TYPE VEHICLE

(57) Abstract :

An exhaust device for a saddled vehicle is provided with an exhaust pipe which is extended from the engine and an exhaust muffler which is connected to the front end of the exhaust pipe. The exhaust device is characterized in that the exhaust pipe has a bend at which the direction of extension of the exhaust pipe changes that a tube shaped exhaust chamber is provided so as to surround the outer periphery of the portion of the exhaust pipe which includes the bend and that the exhaust chamber includes divided bodies divided in the direction in which the exhaust pipe extends.

No. of Pages : 33 No. of Claims : 7

(22) Date of filing of Application :21/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : DISPENSING APPARATUS (51) International classification :A47K5/12,A47K5/18,B05B11/00 (71)Name of Applicant : (31) Priority Document No 1)COLGATE PALMOLIVE COMPANY :NA (32) Priority Date Address of Applicant :300 Park Avenue New York New York :NA (33) Name of priority country :NA 10022 U.S.A. (86) International Application (72)Name of Inventor : :PCT/US2010/060982 1)FALLAT II Peter J. No :17/12/2010 Filing Date 2)GREER JR. Lester R. (87) International Publication 3)CROFT Robert J. :WO 2012/082138 No 4)SHORT Martin C. (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

Disclosed is a dispensing apparatus for dispensing a multi component composition such as an oral care composition. The apparatus comprises a plurality of compartments each containing a respective component of an composition an orifice communicating with the plurality of compartments and a common electrical drive mechanism for simultaneously dispensing the respective components from the plurality of compartments through the orifice. The electrical drive mechanism may comprise a single motor. Each compartment may include a respective piston for extruding a respective component of the composition from the apparatus the pistons of the plurality of compartments being driven by a common gear mechanism coupled to the motor.

No. of Pages : 28 No. of Claims : 34

(19) INDIA

(22) Date of filing of Application :21/05/2013

(54) Title of the invention : ORAL CARE DISPENSER

#### (43) Publication Date : 21/11/2014

(51) International classification	:A46B11/02,A45D34/04	(71)Name of Applicant :
(31) Priority Document No	:61/423414	1)COLGATE PALMOLIVE COMPANY
(32) Priority Date	:15/12/2010	Address of Applicant :300 Park Avenue New York New York
(33) Name of priority country	:U.S.A.	10022 U.S.A.
(86) International Application No	:PCT/US2011/046132	(72)Name of Inventor :
Filing Date	:01/08/2011	1)JIMENEZ Eduardo J.
(87) International Publication No	:WO 2012/082185	2)KENNEDY Sharon
(61) Patent of Addition to Application	:NA	3)SORRENTINO Alan
Number	:NA	4)GATZEMEYER John J.
Filing Date	.INA	5)ROONEY Michael
(62) Divisional to Application Number	:NA	6)FATTORI Joseph E.
Filing Date	:NA	

(57) Abstract :

An oral care dispenser and oral care system implementing the same. In one embodiment the dispenser may comprise a collar having an axial passageway in which a drive component is rotatably coupled. The collar comprises a segmented neck portion and a non segmented body portion that comprises a plurality of protuberances extending into the axial passageway. The drive component comprises at least one resilient arm that interacts with the plurality of protuberances to generate an audible signal during relative rotation.

No. of Pages : 50 No. of Claims : 28

(19) INDIA

(22) Date of filing of Application :21/05/2013

(54) Title of the invention : ORAL CARE DISPENSER

#### (43) Publication Date : 21/11/2014

(51) International classification	:A46B11/00,A45D34/04	(71)Name of Applicant :
(31) Priority Document No	:61/423414	1)COLGATE PALMOLIVE COMPANY
(32) Priority Date	:15/12/2010	Address of Applicant :300 Park Avenue New York New York
(33) Name of priority country	:U.S.A.	10022 U.S.A.
(86) International Application No	:PCT/US2011/045010	(72)Name of Inventor :
Filing Date	:22/07/2011	1)JIMENEZ Eduardo J.
(87) International Publication No	:WO 2012/082183	2)FATTORI Joseph E.
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	.1174	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An oral care dispenser and oral care system incorporating the system that includes a resilient applicator that optimizes application of the subject fluid to the desired oral surfaces. In one embodiment the invention is a dispenser comprising a housing having an internal reservoir containing the fluid. The resilient applicator is coupled to the housing and comprises a dispensing orifice. The resilient applicator comprises a working surface that is oriented at an oblique angle to a longitudinal axis of the housing and is defined by a polygonal perimeter edge the polygonal perimeter edge comprising a plurality of apex portions and a plurality of side portions wherein one of the plurality of side portions forms a distal most portion of the resilient applicator.

No. of Pages : 36 No. of Claims : 41

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : GELATIN ENCAPSULATED ORAL CARE COMPOSITION CONTAINING DENTAL OCCLUSION ACTIVES HYDROPHOBIC VISCOSITY MODIFIER AND OIL CARRIER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:NA :NA :NA :PCT/US2010/061305 :20/12/2010	<ul> <li>(71)Name of Applicant :</li> <li>1)COLGATE PALMOLIVE COMPANY Address of Applicant :300 Park Avenue New York New York</li> <li>10022 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)ONTUMI Dennis Kembero</li> <li>2)MELLO Sarita Vera</li> <li>3)CHOPRA Suman Kumar</li> <li>4)BROWN James Richard</li> <li>5)BOYD Thomas James</li> <li>6)PATEL Rahul</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A oral care composition includes: (a) a guanidine active; (b) a film forming polymer; (c) a hydrophobic viscosity modifier in an amount sufficient to provide the oral care composition with a particle settling time greater than 20 minutes; and (d) an oil carrier. The guanidine active is preferably L arginine. The film forming polymer is preferably GANTREZ. The hydrophobic viscosity modifier is preferably a gelled mineral oil. The oil carrier is preferably a vegetable oil. A method of cleaning teeth includes applying to the teeth the oral care composition such that the oral care composition cleans the teeth. A oral care implement includes: a handle; a head mounted to the handle the head having an outer surface and a plurality of tooth cleaning elements extending outwardly from the outer surface; and a gelatin capsule containing the oral care composition positioned on the head.

No. of Pages : 16 No. of Claims : 19

<ul><li>(12) PATENT APPLICATION PUBLICATION</li><li>(19) INDIA</li></ul>		(21) Application No.4350/DELNP/2013 A	
(22) Date of filing of Application	on :15/05/2013	(43) Publication Date : 21/11/2014	
(54) Title of the invention : GA	(54) Title of the invention : GARDNERELLA VAGINALIS ASSAY		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:C12Q1/04,C12Q1/68,C12N15/11 :61/408840 :01/11/2010 :U.S.A. :PCT/US2011/058255 :28/10/2011 :WO 2012/061225 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BECTON DICKINSON AND COMPANY Address of Applicant :1 Becton Drive Franklin Lakes NJ 07417 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)STEVENS Jason P.</li> </ul>	

(57) Abstract :

The present invention relates to nucleic acid amplification assays for the detection of nucleic acid sequences of Gardnerella vaginalis. The present invention provides oligonucleotides that are complementary or that anneal to nucleic acid sequences of the vly gene of GV. The present invention also provides internal amplification controls (IACs) that can be used in nucleic acid amplification reactions.

No. of Pages : 57 No. of Claims : 22

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : APPARATUS AND METHODS FOR SEQUESTERING FLUIDS EXHAUSTED DURING FLUID TRANSFER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61J1/20 :61/458002 :15/11/2010 :U.S.A. :PCT/US2011/060653 :14/11/2011 :WO 2012/068027 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ONPHARMA INC. Address of Applicant :200 S. Santa Cruz Avenue Suite 100 Los Gatos CA 95030 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)STEPOVICH Matthew J.</li> <li>2)KESTEN Randy</li> <li>3)ZALEWSKI Jeff</li> </ul>
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#### (57) Abstract :

A liquid transfer connector comprises an enclosure holding a transfer needle and an exhaust needle. A container of donor liquid may be attached to an inlet end of the transfer needle and a container holding a recipient liquid may be attached to an outlet end of the transfer needle. The exhaust needle has an outlet end within the connector which releases displaced fluid into an absorbent mass which sequesters the fluid to prevent leakage.

No. of Pages : 16 No. of Claims : 21

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : COMPOSITIONS AND METHODS FOR IMPROVING RICE GROWTH AND RESTRICTING ARSENIC UPTAKE

(51) International classification:A01N63/02,A01N63/04,A01N65/(31) Priority Document No (32) Priority Date (33) Name of priority country:61/414258(32) Priority Date (33) Name of priority country:U.S.A.(86) International Application No Filing Date:PCT/US2011/026693 :01/03/2011(87) International Publication No (61) Patent of Addition to Application Number Filing Date:WO 2012/067668(62) Divisional to Filing Date:NA :NA(62) Divisional to Filing Date:NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>(71)Name of Applicant :</li> <li>(1)UNIVERSITY OF DELAWARE <ul> <li>Address of Applicant :1 Innovation Way Delaware</li> </ul> </li> <li>Technology Park Building 1 Suite 500 Newark DE 19711 U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>(72)Name of Inventor :</li> <li>(72)Name of Inventor :</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>(72)Name of Inventor :</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>(72)Name of Inventor :</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>(72)Name of Inventor :</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>(72)Name of Inventor :</li> </ul> </li> <li>(72)SHERRIER Darla Janine <ul> <li>(73)ALFF Emily</li> </ul> </li> </ul>
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(57) Abstract :

Methods according to the invention administering one or more rice rhizosphere isolates to a plant particularly a rice plant to the seed of the plant or to soil surrounding the plant in an amount effective to inhibit infection by a plant pathogen particularly rice blast to increase the biomass of the plant and/or to decrease arsenic uptake by the plant.

No. of Pages : 28 No. of Claims : 20

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : A PROCESS FOR THE PRODUCTION OF METHACRYLIC ACID AND ITS DERIVATIVES AND POLYMERS PRODUCED THEREFROM

	:PCT/GB2011/052271 :18/11/2011 :WO 2012/069813	<ul> <li>(71)Name of Applicant :</li> <li>1)LUCITE INTERNATIONAL UK LIMITED Address of Applicant :Cumberland House 15 17 Cumberland Place Southampton Hampshire SO15 2BG U.K.</li> <li>(72)Name of Inventor :</li> <li>1)JOHNSON David William</li> <li>2)EASTHAM Graham Ronald</li> <li>3)POLIAKOFF Martyn</li> <li>4)HUDDLE Thomas Andrew</li> </ul>
Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	I:NA :NA	

#### (57) Abstract :

A process for the production of methacrylic acid is described. The process comprises the base catalysed decarboxylation of at least one or a mixture of dicarboxylic acids selected from itaconic citraconic or mesaconic acid. The decarboxylation is carried out in the range greater than 240 and up to 275°C to provide high selectivity. The methacrylic acid product may be esterified to produce an ester. A method of preparing polymers or copolymers of methacrylic acid or methacrylic acid esters using the process is also described. Optionally the process may be preceded with a decarboxylation and if necessary a dehydration step on a source of pre acid such as citric acid or isocitric acid.

No. of Pages : 44 No. of Claims : 16

### (22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : BRAKE MONITORING DEVICE AND COMPONENTS ASSOCIATED THEREWITH

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)HALDEX BRAKE PRODUCTS AB Address of Applicant :Box 501 S 26124 Landskrona Sweden</li> <li>(72)Name of Inventor :</li> <li>1)SEGL- Fredrik</li> <li>2)LARSSON Anders</li> </ul>
(87) International Publication No	:WO 2012/069068	
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

The present invention refers to a monitoring device for detecting a value indicative of the actuation stroke and/or release stroke of a thrust element (31) of a brake actuating mechanism the thrust element (31) being actuated by a lever (1;34) of said brake actuating mechanism comprising a sensor (12; 19; 22; 27; 37) for sensing variations in a physical property of at least one part of said brake actuating mechanism whereby the sensor (12; 19; 22; 27; 37) and said part of the brake actuating mechanism are arranged so that by the relative movement between said part of the brake actuating mechanism and the sensor (12; 19; 22; 27; 37) repeated variations in said physical property along a path (10; 17; 20; 28; 35) of said relative movement are created and sensed. Said path (10; 17; 20; 28; 35) is formed between the lever (1; 34) and a stationary part being adjacent to said lever (1; 34). The invention is directed both to drum brakes and to disc brakes.

No. of Pages : 30 No. of Claims : 29

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : USE OF PROLACTIN RECEPTOR ANTAGONIST AND CHEMOTHERAPEUTIC DRUG FOR TREATING OVARIAN CANCER

(51) International classification	:A61K38/22,A61K45/06,A61P35/00	(71)Name of Applicant : 1)ONCOLIX INC.
(31) Priority Document No	:12/948329	Address of Applicant :14405 Walters Road Suite 780 Houston
(32) Priority Date	:17/11/2010	TX 77014 U.S.A.
(33) Name of priority countr	y:U.S.A.	(72)Name of Inventor :
<ul> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:PCT/US2011/061040 :16/11/2011 <sup>n</sup> :WO 2012/068282	1)CHEN Wen Y.
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

#### (57) Abstract :

The present invention relates generally to the field of cancer diagnosis and treatment and more particularly to compositions and methods that may be useful for eliminating cancer cells with stem like characteristics. The disclosed compositions and methods may also be useful for managing breast cancer ovarian cancer cervical cancer or endometrial (uterine) cancer with metastases; and visualizing the cancer cells in patient s body. The compositions of the instant invention include human prolactin receptor antagonist G129R.

No. of Pages : 41 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :15/05/2013

#### (43) Publication Date : 21/11/2014

(54) Title of the invention : ELECTROL	YZER APPARATUS	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:C25B1/24,C25B15/02 :10191586.6 :17/11/2010 :EPO :PCT/EP2011/070286 :16/11/2011 :WO 2012/066054 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SOLVAY SA Address of Applicant :Rue de Ransbeek 310 B 1120 Brussels Belgium</li> <li>(72)Name of Inventor :</li> <li>1)MORELLE Philippe</li> <li>2)LANGE Joachim</li> <li>3)SOMMER Christoph</li> </ul>

(57) Abstract :

The invention concerns an electrolyzer apparatus for the electrolytic manufacture of elemental F from an electrolyte/HF solution eg. KF x 1.8 FIF comprising at least one electrolytic cell which contains at least two anodes often 20 to 30 anodes a metallic cathodic vessel and at least two rectifiers such that each anode is allocated to one rectifier. In this manner each anode can be controlled and regulated individually. Failures of each individual anode e.g. anode break causes the production of undesired side products e.g. of CF. Any faulty anode can be detected easily and each anode can be shut off individually if needed and repaired.

No. of Pages : 25 No. of Claims : 16

(19) INDIA

(22) Date of filing of Application :15/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : ELECTRONIC DEVICE (51) International classification :H05K7/20,H05K7/06,H05K7/14 (71)Name of Applicant : (31) Priority Document No 1)ALAXALA NETWORKS CORPORATION :2010256386 (32) Priority Date Address of Applicant :890 Kashimada Saiwai kuKawasaki shi :17/11/2010 (33) Name of priority country Kanagawa 2120058 Japan :Japan (86) International Application (72)Name of Inventor : :PCT/JP2011/005960 1)BABA Junii No :26/10/2011 Filing Date 2)INOUE Masaaki (87) International Publication No:WO 2012/066732 3)KAMENO Shuuji (61) Patent of Addition to 4)SASAKI Toru :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract :

When moving from 48 V power supply systems to 12 V power supply systems in electronic devices four times the current must flow in the backplane to supply the same electric power. In addition with a back and forth intake and exhaust system a ventilation opening through which blown cooling air passes must be provided in the backplane. Furthermore degrading of mechanical strength because of the provision of the ventilation opening in the backplane is a problem. To address this problem this structure is one in which fin shaped protrusions are given to the power supply bus bar and the blown cooling air hits the power supply bus bar. In addition the entire surface of the power supply bus bar is made to closely adhere to the backplane and by making electrical and mechanical connections at many points inhibition of the degradation of both cooling and rigidity is established.

No. of Pages : 43 No. of Claims : 12

(21) Application No.4358/DELNP/2013 A

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : HERBICIDE RESISTANT GENE AND USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> <li>(87) International</li> </ul> </li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to</li> </ul>	:22/11/2010 :China :PCT/CN2011/082312 :16/11/2011 :WO 2012/068966 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)HANGZHOU LEADGENE LIMITED INC. Address of Applicant :Building 1 Room 103 1500 Wenyi West Road Xihu District Hangzhou Zhejiang 310000 China</li> <li>(72)Name of Inventor :</li> <li>1)SHEN Zhicheng</li> <li>2)LIN Zhaoyang</li> <li>3)CHENG Yi</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

Disclosed are a herbicide resistant gene and use thereof wherein 1) the amino acid sequence of the encoded protein is at least more than 80% identical to SEQ ID NO:1; and 2) the encoded protein is capable of resulting in resistance to at least one of the following types of herbicides: acetolactate synthetase (ALS) inhibiting herbicides protoporphyrinogen oxidase (PPO) inhibiting herbicides p hydroxyphenylpyruvate dioxygenase (HPPD) inhibiting herbicides photosynthetic system II inhibiting herbicides. A method is disclosed for obtaining an herbicide resistant transgenic plant to obtain a transgenic plant against herbicide resistant transgenic plant can prevent damage of herbicides to the plant providing a convenient and economical means for selectively killing weeds.

No. of Pages : 36 No. of Claims : 16

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : EQUIPMENT AND METHOD FOR CHANGING CYLINDERS AND/OR CLUSTERS OF A ROLL STAND; LOCKING AND CLAMPING SYSTEM; AND ROLL STAND COMPRISING SUCH SYSTEMS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	n:B21B1/22,B21B13/02,B21B27/02 :10290636.9 :02/12/2010	<ul> <li>(71)Name of Applicant :</li> <li>1)SIEMENS VAI METALS TECHNOLOGIES SAS Address of Applicant :51 rue Sibert F 42403 Saint Chamond</li> </ul>
(33) Name of priority country	:EPO	France
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:PCT/EP2011/050355 :12/01/2011	<ul> <li>(72)Name of Inventor :</li> <li>1)CHARRE Francis</li> <li>2)ROSSIGNEUX Bernard</li> <li>3)GUILLOT Yves</li> </ul>
No	:WO 2012/072274	5)GUILLOT TVes
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to disassembly equipment and to a method for changing at least one cylinder and/or a cluster of a laterally supported six high roll stand said disassembly equipment including: a handling frame (1) including positioning and moving means for moving and positioning same; a mobile shuttle (2) capable of moving over said frame (1) characterized in that said shuttle (2) includes an extraction device (26) which can be moved by a moving member and which can disassemble the roll stand or mount a cluster and/or a lateral supporting cylinder thereon said extraction device (26) including an upper crossbeam (265) rigidly connected via a movable strut (267) to a lower crossbeam (266) each of said crossbeams having at each of the ends thereof a movable gripping plate (261) including at least one locking bolt (262) the gripping plates (261) of a single crossbeam being intended to grip at least one cluster and/or at least one lateral supporting cylinder by actuating said locking bolt (262).

No. of Pages : 90 No. of Claims : 16

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : LIPOYL COMPOUNDS AND THEIR USE FOR TREATING ISCHEMIC INJURY

(51) International classification	:A61K47/48,C07K5/06,C07D339/04	(71)Name of Applicant : 1)ISCHEMIX LLC
(31) Priority Document No	:61/415240	Address of Applicant :63 Great Road Maynard MA 01754
(32) Priority Date	:18/11/2010	U.S.A.
(33) Name of priority	:U.S.A.	(72)Name of Inventor :
country		1)BAGUISI Alexander B.
(86) International	:PCT/US2011/060259	2)BEEUWKES Reinier
Application No	:10/11/2011	3)CASALE Ralph
Filing Date		4)KATES Steven A.
(87) International Publication No	<sup>1</sup> :WO 2012/067947	5)LADER Alan S.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates in various embodiments to a compound represented by Structural Formula (I) pharmaceutically acceptable salts or prodrugs thereof and compositions comprising said compounds or pharmaceutically acceptable salts or prodrugs thereof. Methods of using compounds of Structural Formulas (I) and (la) or compositions comprising compounds of Structural Formulas (I) and (la) or pharmaceutically acceptable salts or prodrugs thereof to treat ischemia or ischemia reperfusion injury are also disclosed.

No. of Pages : 63 No. of Claims : 54

(21) Application No.4381/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : ADDITIVES	FOR REDUCING DRAG	3
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:C09K3/32 :61/414298 :16/11/2010 :U.S.A. :PCT/US2011/058904 :02/11/2011 :WO 2012/067818 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>Phillips 66 Company</li> <li>Address of Applicant :Intellectual Property Legal P.O. Box</li> </ol> </li> <li>4428 Houston TX 77210 U.S.A.</li> <li>(72)Name of Inventor : <ol> <li>JOHNSTON Ray L.</li> <li>BAO Zhiyi</li> <li>THOMAS Richard D.</li> <li>BURDEN Timothy L.</li> </ol> </li> </ul>

(57) Abstract :

A composition comprising a drag reducing latex formulation produced by emulsion polymerization to create solid particles dispersed in an aqueous medium and an additive. The use of the composition results in a decrease of film formation while injected through a pump head when compared to the drag reducing latex formulation injected through the pump head.

No. of Pages : 12 No. of Claims : 16

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : GEODESIC MEASURING DEVICE COMPRISING A THERMOGRAPHIC CAMERA

(51) International classification (31) Priority Document No	:G01C1/04,G01C7/00,G01C15/00 :11150516.0	(71)Name of Applicant : 1)LEICA GEOSYSTEMS AG
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:10/01/2011 :EPO	Address of Applicant :Heinrich Wild Strasse CH 9435 Heerbrugg Switzerland
(86) International Application No Filing Date	:PCT/EP2012/050302 :10/01/2012	(72)Name of Inventor : 1)ZIMMERMANN Jan 2)KOTZUR Norbert
(87) International Publication No	:WO 2012/095417	3)M–LLER Bernd 4)SIEBER Stefan
(61) Patent of Addition to Application Number Filing Date	:NA :NA	5)LEGRAND Vincent
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The invention relates to a method for determining with geodesic precision the position of a target point on a target object (15) by using a geodesic measuring device (1) said method comprising a sighting device particularly a target telescope which can be pivoted in relation to a base of the measuring device in order to alter its alignment and which sighting device comprises at least one objective unit that defines an optical line of sight an electronic distance measuring unit and a thermal imaging camera for recording a thermal image in the direction of the optical line of sight. In addition an angle measuring function is provided for recording with high precision the line of sight alignment and a control unit is provided for controlling the angle measuring function the thermal imaging camera and particularly the alignment of the sighting unit. According to the invention in a thermal imaging mode when a measurement procedure is triggered position data of the sighted target point which are determined in said measurement procedure are linked to temperature information which is read out from the thermal image for the target point at which the line of sight is aimed. In particular the position data of the target point is stored in correlation with the temperature information.

No. of Pages : 43 No. of Claims : 15

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : HARD SURFACE CLEANING COMPOSITION FOR PERSONAL CONTACT AREAS

(51) International classification	:C11D3/20,C11D7/60,C11D17/08	(71)Name of Applicant :
(31) Priority Document No	:12/927370	1)JELMAR LLC
(32) Priority Date	:12/11/2010	Address of Applicant :5550 W. Touhy Suite 200 Skokie IL
(33) Name of priority country	:U.S.A.	60077 U.S.A.
(86) International Application No Filing Date	:PCT/US2011/060415 :11/11/2011	(72)Name of Inventor : 1)GAUDREAULT Rosemary
(87) International Publication No	:WO 2012/065091	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A hard surface cleaning solution having improved cleaning and descaling properties. In an embodiment the cleaning solution comprises an organic acid a surfactant a solvent and a diluent. The first organic acid is a carboxylic acid preferably lactic acid while the surfactant is selected from the group consisting amine oxides and the solvent is an alkoxylated alcohol preferably selected from the propylene glycol ether class of compounds. The cleaning solutions may also include other components such as colorants fragrance enhancers corrosion inhibitors nonionic surfactants or other additives.

No. of Pages : 17 No. of Claims : 17

(12) PATENT APPLICATION F (19) INDIA	PUBLICATION	(21) Application No.4408/DELNP/2013 A
(22) Date of filing of Application	n :16/05/2013	(43) Publication Date : 21/11/2014
(54) Title of the invention : HAR	D SURFACE CLEANING COMP	POSITION
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application Not Filing Date</li> <li>(87) International Publication Not</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	p:PCT/US2011/060419 :11/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)JELMAR LLC Address of Applicant :5550 W. Touhy Suite 200 Skokie IL 60077 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)GAUDREAULT Rosemary</li> </ul>

(57) Abstract :

A hard surface cleaning solution having improved cleaning and descaling properties. The cleaning solution includes the following components: a first organic acid a second organic acid a surfactant a solvent and a diluent. The first organic acid is a carboxylic acid preferably lactic acid while the second organic acid is also a carboxylic acid preferably gluconic acid. The surfactant is selected from the group consisting of amine oxides preferably lauramine oxide. The solvent may be an alkoxylated alcohol preferably selected from the propylene glycol ether class of compounds.

No. of Pages : 17 No. of Claims : 16

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD OF AND SYSTEM FOR BRAZING ALUMINUM WORKPIECES USING A FLAME AND MONITORING OF THE FLAME COLOR

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:B23K1/00,B23K3/04,B23K3/08 :61/415411 :19/11/2010	1)CARRIER CORPORATION Address of Applicant :1 Carrier Place Farmington Connecticut
<ul><li>(33) Name of priority country</li><li>(86) International Application No.</li></ul>		06034 U.S.A. (72) <b>Name of Inventor :</b>
(80) International Application N Filing Date (87) International Publication No	:21/10/2011	1)ANDRECHECK Timothy 2)JAWOROWSKI Mark R.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)YORK Lester J.
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A method of brazing an assembly (202) having at least two aluminum workpieces coupled at a joint includes applying a flame to the joint of the aluminum workpieces; monitoring the flame color; and upon detecting a change in the flame color maintaining a temperature at the joint.

No. of Pages : 14 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION (21) Application No.4536/DELNP/2013 A (19) INDIA (22) Date of filing of Application :22/05/2013 (43) Publication Date : 21/11/2014 (54) Title of the invention : WATER-COOLING METHOD OF STEEL MATERIAL AND STEEL MATERIAL OBTAINED BY THAT WATER-COOLING METHOD (51) International classification :C21D 9/573 (71)Name of Applicant : (31) Priority Document No 1)NIPPON STEEL CORPORATION :2005-115049 (32) Priority Date :12/04/2005 Address of Applicant :6-3, OTEMACHI 2-CHOME, CHIYODA-KU, TOKYO 100-8071, JAPAN (33) Name of priority country :Japan (86) International Application No :PCT/2006/307686 2)NIPPON STEEL ENGINEERING CO. LTD (72)Name of Inventor : Filing Date :05/04/2006 (87) International Publication No :WO 2006/109814 **1)HISAMOTO WAKABAYASHI** (61) Patent of Addition to Application 2)YASUMITU KONDO :NA Number **3)TOORU AKASHI** :NA Filing Date (62) Divisional to Application Number :8514/DELNP/2007 Filed on :05/11/2007

(57) Abstract :

The oxide film thickness of the steel material surface (dH2o+d02) is made to become 15 nm or less where post-treatment after water-cooling is not needed by suitably setting the conditions of the water-cooling start temperature (Ti), water-cooling end temperature (T0), steel material thickness (d), concentration of solute oxygen in the cooling water (D0), and cooling rate (CR) in the equation of dH2o+d02=7 . 98xIO-4 (Ti-T0) dD0+{ 5 .  $50x10 3(Ti2-T02)-6.51(Ti-T0) }/CR.$ 

No. of Pages : 16 No. of Claims : 4

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : AN APPLIANCE DRIVE COUPLER		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication N</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:2010905204 :24/11/2010 :Australia :PCT/AU2011/001517 :24/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)ELECTROLUX HOME PRODUCTS PTY LIMITED Address of Applicant :163 ORiordan Street Mascot New South Wales 2020 Australia</li> <li>(72)Name of Inventor :</li> <li>1)PALIWAL Vijay</li> <li>2)GRANT Colin</li> </ul>

(57) Abstract :

The present invention provides a coupler 001 having a central section 006 with a rotation axis 007 and arms 003 which extend away from said central section 006 said arms 003 being in an offset location relative to a diametrical line 060 characterized in that a portion 004 of said arms 003 meet or pass through or extend along a plane formed through said diametrical line 060 and said rotation axis 007. The invention also includes an appliance using such couplers and a drive mechanism using such couplers.

No. of Pages : 24 No. of Claims : 15

(21) Application No.4539/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:G02B6/24	(71)Name of Applicant :
(31) Priority Document No	:2010290777	1)SEI Optifrontier Co. Ltd.
(32) Priority Date	:27/12/2010	Address of Applicant :1 Taya cho Sakae ku Yokohama shi
(33) Name of priority country	:Japan	Kanagawa 2448589 Japan
(86) International Application No	:PCT/JP2011/078851	(72)Name of Inventor :
Filing Date	:14/12/2011	1)TAKAYANAGI Hiroshi
(87) International Publication No	:WO 2012/090706	2)SATO Ryuichiro
(61) Patent of Addition to Application	:NA	3)SAKAMOTO Yasuhiro
Number	:NA	
Filing Date	.117	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (54) Title of the invention : OPTICAL FIBER HOLDER AND OPTICAL FIBER FUSION CONNECTING DEVICE

(57) Abstract :

Provided is an optical fiber holder capable of holding optical fibers while suppressing damage to bare fibers even when the ratio of bare fiber exposure differs therebetween. Also provided is an optical fiber fusion connecting device comprising said optical fiber holder. The optical fiber fusion connecting device (1) comprises the optical fiber holder (3) for holding optical fibers. The optical fiber holder (3) has a base (10) a lid (20) and a connecting section (30). The base (10) has a mounting surface (11) whereon the optical fiber (F) is mounted in the longitudinal direction thereof. The lid (20) has pressing sections (23a 23c) for pressing the optical fiber (F) mounted on the mounting surface (11) against the mounting surface (11). The connecting section (30) is connected so as to be capable of opening and closing the lid (20) in relation to the base (10) and so as to be movable along the longitudinal direction of the base (10).

No. of Pages : 17 No. of Claims : 5

(22) Date of filing of Application :16/05/2013

#### (43) Publication Date : 21/11/2014

(54) Title of the invention : LI	NER FOR GAS STORAGE TANK	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> </ul> </li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	a:C08L77/02,C08L77/06,C08K3/34 :10194315.7 :09/12/2010 :EPO :PCT/EP2011/072282 :09/12/2011 :WO 2012/076677 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ul> <li>1)DSM IP ASSETS B.V.</li> <li>Address of Applicant :Het Overloon 1 NL 6411 TE Heerlen</li> </ul> </li> <li>Netherlands <ul> <li>(72)Name of Inventor : <ul> <li>1)DULLAERT Konraad</li> <li>2)TOMIC Katarina</li> </ul> </li> </ul></li></ul>

(57) Abstract :

This invention relates to a liner for a gas storage tank containing a polymer composition comprising: i. a polyamide A and ii. a nucleating agent in an amount of at least 0.001 weight percent with respect to the total amount of the polymer composition and iii. an impact modifier in an amount of at least 1 weight percent with respect to the total amount of the polymer composition. The invention also relates to a gas storage tank comprising a structural fiber composite comprising continuous carbon or glass fibers as well as a method for preparing a liner by blow molding.

No. of Pages : 11 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PROCESS FOR THE MANUFACTURE OF DIBENZOYLMETHANE DERIVATIVES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:C07C45/45,C07C49/84 :10195971.6 :20/12/2010 :EPO :PCT/EP2011/073172 :19/12/2011 :WO 2012/084770 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)DSM IP ASSETS B.V. Address of Applicant :Het Overloon 1 NL 6411 Te Heerlen Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)WEHRLI Christof</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a process for the manufacture of substituted dibenzoylmethane derivatives. This economical process provides products in high purity and yields and results in shorter reaction times.

No. of Pages : 18 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :16/05/2013

#### (43) Publication Date : 21/11/2014

(54) Title of the invention : COMBINED DEVICE	
(51) International classification:H04N1/00(31) Priority Document No:2010254591(32) Priority Date:15/11/2010(33) Name of priority country:Japan	<ul> <li>(71)Name of Applicant : <ul> <li>1)SEIKO EPSON CORPORATION</li> <li>Address of Applicant :4 1 Nishi shinjuku 2 chome Shinjuku ku</li> <li>Tokyo 1630811 Japan</li> </ul> </li> <li>1 (72)Name of Inventor : <ul> <li>1)OSHIMA Kenji</li> <li>2)HARA Koji</li> <li>3)MIYAMOTO Yuji</li> <li>4)HORIKAWA Masayuki</li> </ul> </li> </ul>

#### (57) Abstract :

In the present invention it is possible to favorably support an image reading device without an increase in the size of the device as a whole. The present invention is characterized by having: a recording device having a recording unit that executes recording at a medium; an image reading device that is provided openably/closably to the top of the recording device via a hinge unit and that has an image reading device being closed contacts the housing of the recording device; a second contact section that is provided to the image reading device and that in the state of the housing of the recording device being closed contact section; and a third contact section that is provided to a device frame that holds the recording unit and that contacts the housing of the recording device being of the recording device below the second contact section.

No. of Pages : 53 No. of Claims : 16

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR SYNTHESIZING LAEVO P HYDROXYPHENYLGLYCINE COMPOUND

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07C231/12,C07C233/47,C07C233/87 :NA :NA :NA :NA :PCT/CN2012/071159 :15/02/2012 :WO 2013/120257 ? :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)HENAN NEWLAND PHARMACEUTICAL CO. LTD Address of Applicant :Southside of Qinggong Road (East Section) Changge Henan 461500 China</li> <li>(72)Name of Inventor :</li> <li>1)XIE Jianzhong</li> <li>2)GUO Xiubin</li> <li>3)ZHAO Lixian</li> <li>4)LIU Chao</li> </ul>
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(57) Abstract :

Provided is a method for synthesizing a laevo p hydroxyphenylglycine compound comprising: (1) subjecting an amine compound with a glyoxylic acid ester compound to a nucleophilic addition reaction; subjecting the product obtained in step (1) with a phenolic compound to a reaction in a manner similar to a Friedel Crafts reaction in the presence of a chiral acid or a non chiral acid so as to generate the laevo p hydroxyphenylglycine compound. The method has advantages such as the final product having a high ee value little pollution and no need for treatments for resolution and racemisation.

No. of Pages : 56 No. of Claims : 10

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : STRIGOLACTAM DERIVATIVES AND THEIR USE AS PLANT GROWTH REGULATORS

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C07D209/70,C07D401/04,A01N43/38 b:1021224.9 :14/12/2010	<ul> <li>(71)Name of Applicant :</li> <li>1)SYNGENTA PARTICIPATIONS AG Address of Applicant :Schwarzwaldallee 215 CH 4058 Basel Switzerland</li> </ul>
(33) Name of priority country	:U.K.	(72)Name of Inventor : 1)LACHIA Mathilde Denise
(86) International Application No Filing Date	:PCT/EP2011/072303 :09/12/2011	2)DE MESMAEKER Alain 3)WOLF Hanno Christian 4)JUNG Pierre Joseph Marcel
(87) International Publication No	:WO 2012/080115	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to novel strigolactam derivatives of formula (I) to processes and intermediates for preparing them to plant growth regulator compositions comprising them and to methods of using them for controlling the growth of plants and/or promoting the germination of seeds.

No. of Pages : 76 No. of Claims : 10

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD AND FIXTURE FOR TWISTING END PORTIONS OF BAR CONDUCTORS IN PARTICULAR FOR BAR WINDINGS OF ELECTRIC MACHINES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Eiling Date</li> </ul>	:NA :NA :NA :PCT/IT2011/000004 :04/01/2011 :WO 2012/093413 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TECNOMATIC S.P.A. Address of Applicant :Zona Industriale Santa Scolastica Via Copernico 2 64013 Corropoli (Teramo) Italy</li> <li>(72)Name of Inventor :</li> <li>1)GUERCIONI Sante</li> </ul>
Filing Date	:NA :NA	

(57) Abstract :

A twisting method (100) and a twisting fixture (10) is described for twisting free end portions (2A 3A 2A 3A) of bar conductors (1 1) for the stator or rotor bar winding of an electrical machine which comprises The twisting fixture (10) comprises at least a pocket member (11) including a main structure (11A) provided with an arc (R1) of adjacent pockets (11A) and a secondary structure (11B) comprising further pockets (11B) and which is axially movably mounted with respect to main structure (11A). Some but not all of free ends (2A 3A 2A 3A) of bar conductors are arranged in said adjacent pockets (11A). The main structure is then rotated to twist said free ends (2A 3A 2A 3A) of bar conductors are inserted in the pockets (11B) is axially moved such that the remaining free ends (2A 3A 2A 3A) of bar conductors are inserted in the pockets (11B) therein. Thereafter both the main structure (11A) and the secondary structure (11B) are rotated simultaneously to twist all free ends (2A 2A) further.

No. of Pages : 53 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : SPECIMEN CONTAINER LABEL FOR AUTOMATED CLINICAL LABORATORY PROCESSING SYSTEMS

#### (57) Abstract :

A label and labeling system for identifying the volume of a specimen within a specimen collection container are disclosed. The system includes providing a specimen collection container having an open top end a closed bottom end and a sidewall extending therebetween forming an interior adapted for receiving a specimen therein. The specimen collection container also includes a label having a label body disposed over at least a portion of the sidewall in visual alignment with a colored background. At least one of the sidewall of the specimen collection container and the label body have printing disposed thereon having a color that is substantially identical to the colored background against which the specimen collection container will be viewed. At least one of the sidewall of the specimen collection container and the label body may have colorless indicia having a surface enhancement feature for providing visual distinction.

No. of Pages : 34 No. of Claims : 36

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : BIL	L DEPOSIT/WITHDRAWAL DEV	VICE
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> <li>(87) International Publication N</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:G07D9/00,G07D1/00,G07D7/00 :2010258533 :19/11/2010 :Japan :PCT/JP2011/005874 :20/10/2011 o:WO 2012/066730 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)HITACHI OMRON TERMINAL SOLUTIONS CORP. Address of Applicant :6 3 Osaki 1 chome Shinagawa ku Tokyo 1418576 Japan</li> <li>(72)Name of Inventor :</li> <li>1)YOSHIDA Kazushi</li> <li>2)KATO Riichi</li> <li>3)ONOMOTO Ryuichi</li> <li>4)FUNAI Katsuyoshi</li> </ul>

### DEDOGUT/UNTUDD / N// / DELUGE

(57) Abstract :

A bill deposit/withdrawal device (1) according to the present invention makes it possible to shorten bill transfer passages that transfer bills and realizes a small and simple structure. [Solution] The bill deposit/withdrawal device (1) comprises: an upper bill handling mechanism (1U) including a bill entrance part (10) a bill identifying part (20) for determining whether bills are normal or abnormal and a bill exit part (30); a lower bill storage mechanism (1L) including a recycle storage part (40) for storing bills; a front bill storage mechanism (1F) including a loading/collection storage part (50); a transfer mechanism (60) comprising transfer passages; and a control part for controlling the components listed above. The upper bill handling mechanism (1U) the lower bill storage mechanism (1L) and the front bill storage mechanism (1F) are structured in the form of units which can be separated at the transfer passages of the transfer mechanism disposed among said mechanisms and said mechanisms are structured such that bi directional transfer is possible from the upper bill handling mechanism (1U) to the lower bill storage mechanism (1L) and from the lower bill storage mechanism (1L) to the front bill storage mechanism (1F).

No. of Pages : 77 No. of Claims : 23

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR STAMPING COIL SIDES OF A STATOR WINDING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:H02K15/04 :102010053716.0 :01/12/2010 :Germany :PCT/EP2011/071417 :30/11/2011 :WO 2012/072695 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ROBERT BOSCH GMBH <ul> <li>Address of Applicant :Postfach 30 02 20 70442 Stuttgart</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)DIDRA Steffen</li> <li>2)PFLUEGER Klaus</li> <li>3)HENNE Martin</li> <li>4)HERBOLD Klaus</li> <li>5)SCHWARZKOPF Christoph</li> <li>6)KREUZER Helmut</li> </ul> </li> </ul>
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(57) Abstract :

Method for stamping multiple coil sides (96) for a stator winding (18) characterized in that the multiple coil sides (96) are arranged in a grooved row (90) the shaping process taking place at a force (F) the direction of which runs at an angle (a) greater than zero relative to the grooved row (90).

No. of Pages : 11 No. of Claims : 7

#### (19) INDIA

(22) Date of filing of Application :16/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : ACID BLOCK ANION MEMBRANE

(57) Abstract :

Acid block anionic selective polymeric membranes are provided of the type having a woven or non woven cloth reinforcing structure. The polymer of the membrane is prepared by the process comprising copolymerizing components I II and III wherein I is an ethylenically unsaturated aliphatic or aromatic tertiary or quaternary amine monomer. II is a cross linking monomer and III is vinylbenzyl chloride. The reaction is conducted in the presence of a free radical polymerization initiator. Additionally anionic exchange membranes of the type used in electrodialysis apparatus are disclosed and comprise a woven or nonwoven cloth that is impregnated with a copolymer comprising the reaction products of components I II and III.

No. of Pages : 20 No. of Claims : 20

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classificatio</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:PCT/CN2011/081402 :27/10/2011 :WO 2012/055364 :NA :NA	<ul> <li>(71)Name of Applicant : <ul> <li>1)INSTITUTE OF ENGINEERING THERMOPHYSICS</li> <li>CHINESE ACADEMY OF SCIENCES</li> <li>Address of Applicant :11 Beisihuanxi Road Haidian District</li> <li>Beijing 100190 China</li> <li>(72)Name of Inventor : <ul> <li>1)LV Qinggang</li> <li>2)SUN Yunkai</li> <li>3)SONG Guoliang</li> <li>4)WANG Dongyu</li> <li>5)BAO Shaolin</li> <li>6)GAO Ming</li> <li>7)LI Shiyuan</li> </ul> </li> </ul></li></ul>
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#### (54) Title of the invention : CIRCULATING FLUIDIZED BED BOILER

(57) Abstract :

Disclosed is a circulating fluidized bed boiler. The circulating fluidized bed boiler comprises: a hearth enclosed by a water cooled wall a ceiling and an air distribution plate in which the water cooled wall forms a front and rear wall and a left and right side wall (AJ TK) through water wall tubes a secondary tuyere (Y) is disposed in a lower part of the water cooled wall and hearth flue gas outlets (AB EF IJ KL OP ST) are disposed in an upper part of the hearth; at least two cyclone separators connected to the flue gas outlets (AB EF IJ KL OP ST); a refeeder connected to solid outlets of the cyclone separators and a lower part of the hearth respectively; and a tail duct connected to flue gas outlets of the cyclone separators. The water wall tubes of the water cooled wall forms at least one vertical pillar shaped recessed segment (BCDE FGHI SRQP ONML) recessed toward the inside of the hearth and the pillar shaped recessed segment (BCDE FGHI SRQP ONML) extends by at least 15% of the hearth in a vertical direction.

No. of Pages : 27 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:C02F1/20	(71)Name of Applicant :
(31) Priority Document No	:A 2094/2010	1)SIEMENS VAI METALS TECHNOLOGIES GMBH
(32) Priority Date	:20/12/2010	Address of Applicant : Turmstrae 44 A 4031 Linz Austria
(33) Name of priority country	:Austria	(72)Name of Inventor :
(86) International Application No	:PCT/EP2011/071851	1)HECKMANN Hado
Filing Date	:06/12/2011	2)SCHMIDT Ulrike
(87) International Publication No	:WO 2012/084480	3)MILLNER Robert
(61) Patent of Addition to Application	214	4)WURM Johann
Number	:NA	5)GSTOETTENMAYR Alois
Filing Date	:NA	6)LUKSCHANDER Kurt
(62) Divisional to Application Number	:NA	7)SIEGL Helmut
Filing Date	:NA	- ,

#### (54) Title of the invention : METHOD AND APPARATUS FOR TREATING PROCESS WATER

(57) Abstract :

The invention discloses a method and an apparatus for treating process water which is loaded with gaseous compounds and/or possibly with solids and comes from a wet cleaning installation for cleaning process gas e.g. from a melt reduction subassembly or from a direct reduction subassembly. Process water is introduced in a tank (1) in a first process stage and degassed on the basis of reduced solubility of the dissolved compounds. The tank (1) has on its upper side a gas collecting chamber (1) in which the separated off gases are collected and from which these are discharged. Likewise the treated process water is discharged from the tank via a drainage means.

No. of Pages : 26 No. of Claims : 24

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : PUMP UNIT FOR FEEDING FUEL PREFERABLY DIESEL FUEL FROM A STORAGE TANK TO AN INTERNAL COMBUSTION ENGINE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	n :F04B1/04,F04B49/22,F02M37/02 :MI2010A002310 :16/12/2010 :Italy	<ul> <li>(71)Name of Applicant :</li> <li>1)ROBERT BOSCH GMBH</li> <li>Address of Applicant :Postfach 30 02 20 70442 Stuttgart</li> <li>Germany</li> </ul>
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:PCT/EP2011/072757 :14/12/2011 :WO 2012/080334	<ul> <li>(72)Name of Inventor :</li> <li>1)PALMISANO Salvatore</li> <li>2)DE GENNARO Daniele</li> <li>3)MEDORO Nello</li> </ul>
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

A pump unit for feeding fuel preferably diesel fuel to an internal combustion engine (3) is provided with a hydraulic circuit (14) having a first line (15) for connecting together a fuel storage tank (2) and a pre feed pump (7) a second line (16) for connecting together the pre feed pump (7) and a high pressure pump (6) a third line (18) for connecting together the high pressure pump (6) and the internal combustion engine (3) a fourth line (24) for connecting together the second line (16) and the storage tank (2) and a fifth line (35) for connecting together the second and fourth lines (16 24); a Venturi pipe (31) being screwed into the fourth line (24) and communicating hydraulically with the fifth line (35).

No. of Pages : 12 No. of Claims : 9

(22) Date of filing of Application :21/05/2013

#### (43) Publication Date : 21/11/2014

### (54) Title of the invention : ASSEMBLY CONNECTION FOR FIXING A COMMUTATOR TO A ROTOR BODY OF AN ELECTRIC MACHINE AND ELECTRIC MOTOR COMPRISING SAID ASSEMBLY CONNECTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:F16D1/04,H01R39/14,H02R13/00 :10 2010 064 293.2 :29/12/2010 :Germany :PCT/EP2011/070783 :23/11/2011 :WO 2012/089425 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>1)ROBERT BOSCH GMBH</li> <li>Address of Applicant :Postfach 30 02 20 70442 Stuttgart</li> </ol> </li> <li>(72)Name of Inventor : <ol> <li>1)KOPF Frank</li> </ol> </li> </ul>
	:NA :NA	

#### (57) Abstract :

The invention relates to an assembly connection for fixing a commutator to a rotor body comprising a commutator (10) one end of which has a connection region (20) and a rotor body (30) the assembly face (40) of which is provided in particular with an insulation material. In addition the connection region (20) of the commutator (10) and the assembly face (40) of the rotor body (30) have a respective shaped element (60 70) designed to complement each other with the aid of which the commutator (10) and the rotor body (30) are at least positively connected once assembled.

No. of Pages : 12 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :17/05/2013

(54) Title of the invention : WIPER BLADE DEVICE

#### (43) Publication Date : 21/11/2014

		-
(51) International algoritization	:B60S1/38	(71)Nome of Applicant
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:102010062899.9	1)ROBERT BOSCH GMBH
(32) Priority Date	:13/12/2010	Address of Applicant :Postfach 30 02 20 70442 Stuttgart
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2011/069630	(72)Name of Inventor :
Filing Date	:08/11/2011	1)HERINCKX Dirk
(87) International Publication No	:WO 2012/079854	2)BEX Koen
(61) Patent of Addition to Application	:NA	3)DEPONDT Helmut
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a wiper blade device comprising a wiper strip unit (12) which has a wind deflector element (16) a wiper lip (18) and a wiper strip element (14) which comprises a longitudinal guide channel (24) for a support element (20). According to the invention the wiper strip element (14) in a mounted state forms an interlocking connection with the wind deflector element (16).

No. of Pages : 16 No. of Claims : 12

(19) INDIA

(22) Date of filing of Application :17/05/2013

(54) Title of the invention : WINDSHIELD WIPER DEVICE

#### (43) Publication Date : 21/11/2014

(57) Abstract :

The invention relates to a windshield wiper device (1) comprising a wiper drive (2) in particular for the rear window wiper of a motor vehicle having a gearbox housing (3) which can be closed by means of a housing cover for receiving a gearbox assembly (4) wherein both the gearbox housing (3) and the housing cover have a stop face for axially guiding the gearbox assembly (4) wherein the gearbox assembly (4) comprises a worm gear (6) for translating a rotatory movement of a wiper motor (5) provided in the wiper drive (2) into an oscillating rotational movement of the output shaft said worm gear being connected in a rotationally jointed manner to a push rod (8) via a bearing pin (7) supported axially on the stop faces. A radial guide element (10) is fastened or can be fastened to the bearing pin (7) and/or the worm gear (6) in order to absorb radial forces.

No. of Pages : 11 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :17/05/2013

(54) Title of the invention : WIPER BLADE DEVICE

#### (43) Publication Date : 21/11/2014

:B60S1/38 :102010062906.5	(71)Name of Applicant :
:102010062906.5	
	1)ROBERT BOSCH GMBH
:13/12/2010	Address of Applicant :Postfach 30 02 20 70442 Stuttgart
:Germany	Germany
:PCT/EP2011/069740	(72)Name of Inventor :
:09/11/2011	1)HERINCKX Dirk
:WO 2012/079857	2)DEPONDT Helmut
٠NIA	3)BEX Koen
INA	
:NA	
:NA	
	Germany PCT/EP2011/069740 :09/11/2011 :WO 2012/079857 :NA :NA :NA

(57) Abstract :

The invention relates to a wiper blade device comprising a wiper strip unit (10) which has a longitudinal guide channel (14) for accommodating a support element (16). According to the invention the longitudinal guide channel (14) has at least one lateral opening (12).

No. of Pages : 16 No. of Claims : 13

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SCROLL REFRIGERATION COMPRESSOR

(57) Abstract :

The invention relates to a compressor including: a stationary volute (6) and a moving volute (9) each comprising a plate (7 11) provided with a scroll (8 12) said scrolls defining variable volume compression chambers (13); a separator (16) sealingly mounted to the plate (7) of the stationary volute (6) such as to authorise a relative movement between the separator and the stationary volute; and a delivery chamber (21) defined by the separator and the sealed casing. The compressor also includes: a bypass passage (32) arranged to connect the delivery chamber (21) to an intermediate compression chamber (13b); a non return device (34) comprising a sealing member that can move between positions for sealing and opening the bypass passage; and a housing (35) disposed between the separator (16) and the plate (7) of the stationary volute comprising a first portion sealingly mounted in a recess (44) defined by the separator (16) and arranged in parallel to the longitudinal axis (A) of the compressor.

No. of Pages : 28 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : CHEMICAL REACTOR HAVING A WOVEN WIRE MESH PRODUCT AS A RETAINING DEVICE FOR PARTICLES 

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:B01J8/02,B01J8/44 :10 2010 044 111.2 :18/11/2010 :Germany :PCT/EP2011/070101 :15/11/2011 :WO 2012/065969 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant :Alfred Nobel Strasse 10 40789 Monheim am Rhein Germany</li> <li>(72)Name of Inventor :</li> <li>1)MERKEL Michael</li> <li>2)WILKE Karl Heinz</li> <li>3)KNAUF Thomas</li> </ul>
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#### (57) Abstract :

The invention relates to a chemical reactor for heterogeneously catalyzed conversion of a fluid comprising a retaining device for catalyst and/or inert particles (80 100) through which the fluid flows wherein the upstream side of the retaining device as seen in the flow direction of the fluid comprises a woven wire mesh product (50) and the average mesh opening size of the woven wire (50) is smaller than the average particle size x of the particles (80 100). The invention further relates to a method for converting a fluid wherein the conversion takes place in a reactor according to the invention in the presence of heterogeneous catalyst particles (80) and the catalyst particles (80) are disposed in the retaining device for catalyst particles (80). A further object of the invention is the use of woven wire mesh product (50) as a retaining device for catalyst and/or inert particles (80 100) in chemical reactors.

No. of Pages : 23 No. of Claims : 15

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : SYSTEM AND METHOD FOR POSITIONING A BOTTOM HOLE ASSEMBLY IN A HORIZONTAL WELL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:E21B19/16,E21B23/00 :61/427442 :27/12/2010 :U.S.A. :PCT/US2011/066185 :20/12/2011 :WO 2012/092023 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BAKER HUGHES INCORPORATED Address of Applicant :2929 Allen Parkway Suite 2100 Houston TX 77019 2118 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)RAVENSBERGEN John Edward</li> <li>2)LAUN Lyle</li> <li>3)MISSELBROOK John</li> </ul>
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#### (57) Abstract :

A system of couplings and method of use of the couplings to locate a downhole tool connected to coiled tubing such as a bottom hole assembly within a selected segment of a casing string. The selected segment of casing may be a ported collar or ported housing that permits the treatment and/or stimulation of the adjacent well formation. The system of couplings may be two three or four couplings that are spaced apart at predetermined lengths. The predetermined lengths may be shorter than typical lengths of casing segments. The distance between the first and second coupling may be substantially identical to the distance between the third and fourth coupling. The use of distances between the couplings that are shorter than the length of conventional casing segments may provide surface indicators as to the location of the bottom hole assembly with a higher confidence than relying on a traditional tally sheet.

No. of Pages : 44 No. of Claims : 37

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : PROCESS FOR PREPARING AZOMETHINES FROM ALPHA OXOCARBOXYLATES AMINES AND ARYL BROMIDES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:10191863.9 :19/11/2010 :EPO :PCT/EP2011/070488 :18/11/2011 :WO 2012/066134	<ul> <li>(71)Name of Applicant :</li> <li>1)SALTIGO GMBH Address of Applicant :Katzbergstrae 1 40764 Langenfeld Germany</li> <li>(72)Name of Inventor :</li> <li>1)COTTE Alain</li> <li>2)GOTTA Matthias</li> <li>3)GOOEN Lukas</li> <li>4)RUDOLPHI Felix</li> <li>5)SONG Bingrui</li> </ul>
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(57) Abstract :

A process for preparing azomethines of the general formula (V) where R is an optionally substituted carbocyclic aromatic radical having 6 to 24 carbon atoms or an optionally substituted alkyl radical or an optionally substituted heteroaromatic radical having 5 to 24 carbon atoms and R is an optionally substituted carbocyclic aromatic radical having 6 to 24 carbon atoms or an optionally substituted carbocyclic aromatic radical having 6 to 24 carbon atoms or an optionally substituted carbocyclic aromatic radical having 6 to 24 carbon atoms or an optionally substituted carbocyclic aromatic radical having 6 to 24 carbon atoms or an optionally substituted alkyl radical or an optionally substituted carbocyclic aromatic radical having 6 to 24 carbon atoms or an optionally substituted alkyl radical or an optionally substituted cycloalkyl radical or an optionally substituted heteroaromatic radical having 5 to 24 carbon atoms by reacting alpha oxo carboxylates of the general formula (I) where n is a number in the range from 1 to 6 M is a cation with aryl bromides of the general formula (IV) and amines of the general formula (II) via the alpha iminocarboxylate intermediate of the general formula (III) in the presence of two transition metals or compounds thereof as catalyst is described.

No. of Pages : 17 No. of Claims : 9

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR ELECTROELUTING GENETIC MATERIAL FROM DRIED SAMPLES

	:C25B7/00,G01N27/447,C07H21/00 :12/972236	Address of Applicant :1 River Road Schenectady New York
(32) Priority Date	:17/12/2010	12345 U.S.A.
(33) Name of priority country	y:U.S.A.	(72)Name of Inventor :
(86) International	:PCT/US2011/064823	1)FINEHOUT Erin Jean
Application No	:14/12/2011	2)NELSON John Richard
Filing Date		3)SPOONER Patrick McCoy
(87) International Publication	<sup>1</sup> :WO 2012/082849	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

In accordance with the present disclosure a method for extracting genetic material from a biological sample stored on a solid medium is provided. The method includes obtaining the solid medium wherein the biological sample is applied on the solid medium and the solid medium includes chemicals that lysed the biological sample and preserved the genetic material. The method also includes electroeluting the genetic material directly from the solid medium to a subsequent medium.

No. of Pages : 31 No. of Claims : 25

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : AN APPLIER AND A METHOD FOR ANCHORING A LINING TO A HOLLOW ORGAN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> </ul>	:A61B17/072,A61B17/115,A61F5/00 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ETHICON ENDO SURGERY INC. Address of Applicant :4545 Creek Road Cincinnati Ohio 45242 2839 U.S.A.</li> <li>(72)Name of Inventor :</li> </ul>
<ul> <li>(35) Italie of phoney</li> <li>country</li> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International</li> </ul>	:NA :PCT/EP2010/068670 :01/12/2010 :WO 2012/072138	(72)Autic of Inventor 7 1)DARCANGELO Michele 2)HARRIS Jason 3)ANTON Edward 4)MURRAY Michael A. 5)BILOTTI Federico
Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to	:WO 2012/072138 :NA :NA	6)PASTORELLI Alessandro
Application Number Filing Date	:NA	

#### (57) Abstract :

An endoluminal applier (1) for anchoring a tubular lining(9) to a hollow organ (10) the applier (1) comprising a staple fastening assembly (2) for clamping and stapling a ring shaped tissue portion between first and second clamping surfaces (5 7) the staple fastening assembly (2)comprising a lining seat (8) adapted to receive the tubular lining(9) such that an elongate body portion (11) of the lining is held in a compacted ring shaped configuration and a ring shaped anchoring portion (12) of the lining(9) is held to overlap one of said first and second clamping surfaces (5 7) and an annular row of staples (4).

No. of Pages : 31 No. of Claims : 23

(22) Date of filing of Application :21/02/2011

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : BAMBOO MAT BOARD AND A METHOD FOR PRODUCING THE SAME

(51) International classification	:E04F15/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MISSION COORDINATOR, NATIONAL MISSION ON
(32) Priority Date	:NA	BAMBOO APPLICATIONS, TECHNOLOGY
(33) Name of priority country	:NA	INFORMATION FORECASTING AND ASSESSMENT
(86) International Application No	:NA	COUNCIL (TIFAC)
Filing Date	:NA	Address of Applicant : DEPARTMENT OF SCIENCE &
(87) International Publication No	:NA	TECHNOLOGY (DST), GOVERNMENT OF INDIA, 2ND
(61) Patent of Addition to Application Number	:NA	FLOOR VISHWAKARMA BHAWAN, SHAHEED JEET
Filing Date	:NA	SINGH MARG, NEW DELHI-110016, INDIA.
(62) Divisional to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)AJAY KUMAR

(57) Abstract :

The present invention provides a Bamboo mat board comprising plurality of bamboo mats assembled together. The present invention also provides a method of producing Bamboo mat board.

No. of Pages : 22 No. of Claims : 18

(19) INDIA

(22) Date of filing of Application :16/05/2013

#### (43) Publication Date : 21/11/2014

(51) International classification	:A61K9/16,A61P35/00	(71)Name of Applicant :
(31) Priority Document No	:61/419538	1)NOVARTIS AG
(32) Priority Date	:03/12/2010	Address of Applicant :Lichtstrasse 35 CH 4056 Basel
(33) Name of priority country	:U.S.A.	Switzerland
(86) International Application No	:PCT/US2011/062837	(72)Name of Inventor :
Filing Date	:01/12/2011	1)CAO Yu
(87) International Publication No	:WO 2012/075253	2)HACKL Wolfgang
(61) Patent of Addition to Application	:NA	3)LI Ping
Number		4)LI Shoufeng
Filing Date	:NA	5)MIRZA Tahseen
(62) Divisional to Application Number	:NA	6)ZEHENDER Hartmut
Filing Date	:NA	7)ZHU Jiahao

#### (54) Title of the invention : PHARMACEUTICAL COMPOSITIONS

(57) Abstract :

The present invention relates to a pharmaceutical composition for the oral administration of a therapeutic compound of formula (I) which comprises granules that comprise at least therapeutic compound of formula (I) (see below) particularly 2 Methyl 2 [4 (3 methyl 2 oxo 8 quinolin 3 yl 2 3 dihydro imidazo[4 5 c]quinolin 1 yl) phenyl] propionitrile or 8 (6 methoxy pyridin 3 yl) 3 methyl 1 (4 piperazin 1 yl 3 trifluoromethyl phenyl) 1 3 dihydro imidazo[4 5 c]quinolin 2 one or a tautomer thereof or a pharmaceutically acceptable salt or a hydrate or solvate thereof; at least one non ionic surfactant that is Vitamin E TPGS in an amount ranging from about 15 to about 80% by weight of the composition; and at least one a dissolution enhancing agent selected from polyethylene glycol polyethylene oxide and any combination of the foregoing. The present invention also relates to processes for making such pharmaceutical composition may be taken immediately to about thirty minutes after the consumption of food; and related uses and methods of treatment.

No. of Pages : 49 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :16/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : GAS MIST INHALER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:A61H33/02,A61M15/00,A61M16/12 :2011010647 :21/01/2011 :Japan :PCT/JP2012/051247 :20/01/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)ACP JAPAN CO. LTD. Address of Applicant :27 3 Hongo 2 chome Bunkyo ku Tokyo 1130033 Japan</li> <li>(72)Name of Inventor :</li> <li>1)NAKAMURA Shoichi</li> </ul>
Filing Date (87) International Publication No (61) Patent of Addition to	:WO 2012/099250	
Application Number Filing Date (62) Divisional to	:NA :NA :NA	
Application Number Filing Date	:NA	

#### (57) Abstract :

Provided is a gas mist inhaler ensuring hygiene while enabling a reduction in costs by making only one part of the gas mist inhaler disposable. A gas mist inhaler is provided with: a gas supply means (30) for supplying oxygen carbon dioxide gas or a mixed gas of oxygen and carbon dioxide gas; a gas mist generation means (40) which has a connection portion (45) connected to the gas supply means (30) a liquid reservoir portion for storing a liquid a nozzle for supplying the gas a liquid suction tube for feeding the liquid to the tip of the nozzle a collision member for using the gas stream to collide the liquid lifted from the nozzle and convert the liquid to a gas mist a cylindrical gas introduction portion for bringing the gas to the upper portion of the nozzle and a donut shaped gas mist discharge portion for collecting and discharging the gas mist; and an inhalation member (50) connected to the gas mist generation means (40) and having an inhalation port (53) for enabling the inhalation of the gas mist into an organism. The gas mist generation means (40) is configured so that at least the liquid reservoir portion can be detached and replaced by another and the liquid reservoir portion is disposable.

No. of Pages : 31 No. of Claims : 13

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PRESSURIZED GAS MIST BATHING SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(33) Name of priority country</li> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to</li> <li>Application Number Filing Date</li> <li>(63) Date</li> </ul>	<ul> <li>(71)Name of Applicant : <ol> <li>Address of Applicant :27 3 Hongo 2 chome Bunkyo ku Tokyo 1130033 Japan</li> <li>(72)Name of Inventor : <ol> <li>NAKAMURA Shoichi</li> </ol> </li> </ol></li></ul>
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#### (57) Abstract :

Provided is a pressurized gas mist bathing system ensuring hygiene while enabling a reduction in costs by making only one part of the pressurized gas mist bathing system disposable. A gas mist inhaler is provided with: a gas supply means (10) for supplying a gas; a gas mist generation means (30) which has a connection portion connected to the gas supply means (10) a liquid reservoir portion for storing a liquid a nozzle a liquid suction tube for feeding the liquid to the tip of the nozzle a collision member for using the gas stream to collide the liquid lifted from the nozzle a cylindrical gas introduction portion for collecting the gas mist around the gas introduction portion and discharging the gas mist; and an organism covering member (50) which covers the skin and mucous membranes of an organism and which forms a space in which the gas mist from the gas mist generation means (30) is enclosed. The gas mist generation means (30) is configured so that at least the liquid reservoir portion can be detached and replaced by another and the liquid reservoir portion is disposable.

No. of Pages : 42 No. of Claims : 19

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METHOD OF FORMING CONFORMAL BARRIER LAYERS FOR PROTECTION OF THERMOELECTRIC MATERIALS

classification       .C23C10/40,C23C10/435,F101L35/00         (31) Priority Document No       :12/952531         (32) Priority Date       :23/11/2010	<ul> <li>(71)Name of Applicant :</li> <li>1)CORNING INCORPORATED Address of Applicant :1 Riverfront Plaza Corning New York</li> <li>14831 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)PAULSON Charles A.</li> </ul>
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(57) Abstract :

An atomic layer deposition method for forming a barrier layer over a thermoelectric device comprises providing a thermoelectric device in a reactor introducing a pulse of a first precursor into the reactor introducing a pulse of a second precursor into the reactor introducing an inert gas into the reactor after introducing the first precursor and after introducing the second precursor wherein the acts of introducing the first precursor and introducing the second precursor are repeated to form a barrier layer over exposed surfaces of the thermoelectric device.

No. of Pages : 19 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:D02G3/04,D02G3/44	(71)Name of Applicant :
(31) Priority Document No	:A 1953/2010	1)LENZING AG
(32) Priority Date	:24/11/2010	Address of Applicant :Werkstrae 2 A 4860 Lenzing Austria
(33) Name of priority country	:Austria	(72)Name of Inventor :
(86) International Application No	:PCT/AT2011/000448	1)GSTETTNER Alexander
Filing Date	:07/11/2011	2)BURROW Tom
(87) International Publication No	:WO 2012/068600	3)MATHES Ulf
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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(54) Title of the invention : FLAME RESISTANT FABRIC FOR PROTECTIVE CLOTHING

#### (57) Abstract :

The fabric of the invention is a flame resistant fabric for use in personal protective clothing which provides a high level of comfort protection from flames and other heat sources such as electric arc and liquid metal splash characterized in that it is made from a yarn which is an intimate blend of FR cellulosic fibres With high temperature resistant polymer fibres and standard flammable synthetic fibres.

No. of Pages : 23 No. of Claims : 15

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DEVICE FOR TREATING EXHAUST GAS CONTAINING SOOT PARTICLES

(57) Abstract :

The invention relates to a device (1) for treating exhaust gas containing soot particles (2) which device at least comprises at least one ionisation element (3) for ionising soot particles (2) at least one filter element (4) wherein an electric potential can be applied to at least a section of the filter element (4) and at least one agglomeration unit (8) for at the least partial agglomeration of electrically charged soot particles (2). The agglomeration unit (8) is disposed between the ionisation element (3) and the filter element (4) wherein the agglomeration unit (8) has at least one outer pipe (9) and at least one inner element (10). By means of the invention the filtering power of an exhaust system of an internal combustion engine is increased by an increase in the agglomeration rate of the soot particles.

No. of Pages : 22 No. of Claims : 10

(21) Application No.4387/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

:H04J14/00,H04L1/00	(71)Name of Applicant :
:10196749.5	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
:23/12/2010	Address of Applicant :SE 164 83 Stockholm Sweden
:EPO	(72)Name of Inventor :
:PCT/EP2011/053847	1)LANZONE Sergio
:15/03/2011	2)TOSCANO Orazio
:WO 2012/084270	3)ABBAS Ghani
·NIA	
:NA	
:NA	
:NA	
	:23/12/2010 :EPO :PCT/EP2011/053847 :15/03/2011 :WO 2012/084270 :NA :NA :NA

#### (54) Title of the invention : COMMUNICATIONS NETWORK USING ADAPTABLE FEC

(57) Abstract :

A node for a communications network has a converter (100) for digitizing at a receiver clock rate a received optical signal received over an optical link from an optical transmitter at a source node a framer (1 10) for detecting frames and a forward error correction part (120) for correcting errors in the payload of the frame. An error rate in the received payload part is monitored and a processor (140) sends according to the monitored error rate a request to the optical transmitter to adapt a length of the transmitted forward error correction part and to adapt a clock rate of the transmission of the frame if FEC length is reduced or FEC is disabled. This can enable power saving when less FEC information is being sent.

No. of Pages : 34 No. of Claims : 20

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD FOR OPERATING A COMBINED CYCLE POWER PLANT WITH COGENERATION AND A COMBINED CYCLE POWER PLANT FOR CARRYING OUT THE METHOD

(51) International classification	:F01K17/04,F01K23/10	(71)Name of Applicant :
(31) Priority Document No	:10188089.6	1)ALSTOM TECHNOLOGY LTD
(32) Priority Date	:19/10/2010	Address of Applicant :Brown Boveri Strasse 7 CH 5400
(33) Name of priority country	:EPO	Baden Switzerland
(86) International Application No	:PCT/EP2011/067220	(72)Name of Inventor :
Filing Date	:03/10/2011	1)DROUX Francois
(87) International Publication No	:WO 2012/052277	2)BRESCHI Dario Ugo
(61) Patent of Addition to Application	:NA	3)REYSER Karl
Number		4)ROFKA Stefan
Filing Date	:NA	5)WICK Johannes
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The invention relates to a method for operating a combined cycle power plant (10) with cogeneration in which method combustion air is inducted in at least one gas turbine (11) is compressed and is fed to at least one combustion chamber (19) for combustion of a fuel and the resultant exhaust gas is expanded in at least one turbine (20) producing work and in which method the exhaust gas which emerges from the at least one turbine (20) is fed through a heat recovery steam generator (13) in order to generate steam which heat recovery steam generator (13) is part of a water steam circuit (12) with at least one steam turbine (14) a condenser (32) a feedwater tank (28) and a feedwater pump (P2) wherein heat is produced by extraction of steam from the at least one steam turbine (14). In a method such as this simple decoupling of heat and electricity production which is advantageous for operation is achieved in that the steam can be selectively extracted from the at least one steam turbine (14) as low pressure steam or intermediate pressure steam and in that the steam extraction is switched from low pressure steam to intermediate pressure steam in order to restrict the electricity production.

No. of Pages : 22 No. of Claims : 16

(21) Application No.4429/DELNP/2013 A

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : CAMERA IMAGING SYSTEMS AND METHODS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(34) NA</li> <li>(54) Priority Date</li> <li>(54) Priority Date<!--</th--><th>1)ZHANG Yun</th></li></ul>	1)ZHANG Yun
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(57) Abstract :

A video imaging system comprising: a low resolution colour digital video camera and a high resolution monochromatic digital video camera operably connected to a digital processing system.

No. of Pages : 15 No. of Claims : 15

(22) Date of filing of Application :17/05/2013

#### (43) Publication Date : 21/11/2014

### (54) Title of the invention : O PHOSPHOSERINE SULFHYDRYLASE MUTANTS AND METHOD FOR PRODUCTION OF CYSTEINE USING THE SAME

(57) Abstract :

Disclosed is an O phosphoserine sulfhydrylase (OPSS) mutant which has a derived amino acid sequence corresponding to that of SEQ ID NO: 1 which is devoid of three to seven C terminal amino acid residues. Also a nucleic acid molecule encoding the OPSS mutant an expression vector carrying the nucleic acid molecule and a transformant transformed with the expression vector are disclosed. In addition a method is provided for producing cysteine in which O phospho L serine (OPS) is reacted with a sulfide in the presence of the OPSS mutant. The OPSS mutant has improved enzymatic activity and can be applied to the environmentally friendly production of L cysteine through a simple enzymatic conversion reaction.

No. of Pages : 71 No. of Claims : 16

(21) Application No.4431/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:E21B43/08	(71)Name of Applicant :
(31) Priority Document No	:12/966162	1)HALLIBURTON ENERGY SERVICES INC.
(32) Priority Date	:13/12/2010	Address of Applicant :10200 Bellaire Boulevard Houston TX
(33) Name of priority country	:U.S.A.	77072 U.S.A.
(86) International Application No	:PCT/US2011/063517	(72)Name of Inventor :
Filing Date	:06/12/2011	1)FITZPATRICK Harvey J. Jr
(87) International Publication No	:WO 2012/082468	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : WELL SCREENS HAVING ENHANCED WELL TREATMENT CAPABILITIES

(57) Abstract :

A well screen assembly with enhanced well treatment capabilities. A well screen assembly can include a well treatment substance secured to the well screen assembly and at least one reactive component of a well treatment stimulant. The reactive component can also be secured to the well screen assembly. A method of treating a well can include expanding a well screen assembly outward in a wellbore of the well thereby decreasing a distance between a well treatment substance and a wall of the wellbore. Another method of treating a well can include contacting multiple reactive components of a well treatment stimulant with each other in the well thereby dispersing a well treatment substance about a well screen assembly.

No. of Pages : 29 No. of Claims : 45

(19) INDIA

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:F16H61/02 :10 2011 114 440.8 :28/09/2011 :Germany :PCT/EP2012/002504 :14/06/2012 :WO 2013/045003 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)VOITH PATENT GMBH Address of Applicant :St. Pltener Str. 43 89522 Heidenheim Germany</li> <li>(72)Name of Inventor :</li> <li>1)DIETZEL Bernd</li> <li>2)HOFFMANN Rolf</li> </ul>
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#### (54) Title of the invention : METHOD FOR CONTROLLING AN AUTOMATIC TRANSMISSION

(57) Abstract :

The invention relates to a method for controlling an automatic transmission more particularly a method for controlling gear changes in an automatic transmission of a motor vehicle driven by an internal combustion engine having the following steps: predicting the fuel consumption of the internal combustion engine that would result if the automatic transmission were shifted from its present gear into a next higher gear with relatively low transmission ratio between a transmission input and a transmission output of the automatic transmission and/or predicting the fuel consumption of the internal combustion engine that would result if the automatic transmission input and a transmission output of the automatic transmission and/or predicting the fuel consumption of the internal combustion engine that would result if the automatic transmission input and the transmission output; and comparing the predicted fuel consumption of the internal combustion engine in the next higher gear of the automatic transmission with the present fuel consumption of the internal combustion engine; shifting the automatic transmission into the next higher gear as a function of the comparison in order to obtain a fuel consumption saving. The invention is characterized in that before the shift an additional fuel consumption.

No. of Pages : 17 No. of Claims : 9

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD FOR OPERATION OF A COMBINED CYCLE POWER PLANT WITH COGENERATION AND A COMBINED CYCLE POWER PLANT FOR CARRYING OUT THE METHOD

(51) International classification (31) Priority Document No	:F01K23/10,F02C6/04,F02C6/10 :10188069.8	(71)Name of Applicant : 1)ALSTOM TECHNOLOGY LTD
(32) Priority Date	:19/10/2010	Address of Applicant :Brown Boveri Strasse 7 CH Baden
(32) Name of priority country	:EPO	5400 Switzerland
(86) International Application No	:PCT/EP2011/067208	(72)Name of Inventor : 1)DROUX Francois
Filing Date	:03/10/2011	2)BRESCHI Dario Ugo
(87) International Publication No	:WO 2012/052276	3)REYSER Karl
(61) Patent of Addition to Application Number Filing Date	:NA :NA	4)ROFKA Stefan 5)WICK Johannes
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a method for operation of a combined cycle power plant (10) with cogeneration in which method combustion air is inducted in at least one gas turbine  $(1 \ 1)$  is compressed and is supplied to at least one combustion chamber (19) for combustion of a fuel and the resultant exhaust gas is expanded in at least one turbine (20) producing work and in which method the exhaust gas emerging from the at least one turbine (20) is passed through a heat recovery steam generator (13) in order to generate steam which generator is part of a water steam circuit (12) with at least one steam turbine (14) a condenser (32) a feedwater tank (28) and a feedwater pump (P2) wherein heat is provided by extracting steam from the at least one steam turbine (14). In a method such as this the electricity production is decoupled from the steam production in that in order to restrict the electricity production while the heat provided by means of steam extraction remains at a constant level a portion of the inducted combustion air is passed through the at least one turbine (20) to the heat recovery steam generator (13) without being involved in the combustion of the fuel in the gas turbine (1 1) and in that this portion of the combustion air is used to operate at least one supplementary firing (21 23) in the heat recovery steam generator (13).

No. of Pages : 21 No. of Claims : 15

(21) Application No.4543/DELNP/2013 A

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : LIQUID FORMULATIONS OF LONG ACTING INTERFERON ALPHA CONJUGATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:PCT/KR2011/008038 :26/10/2011 :WO 2012/057525 :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>HANMI SCIENCE CO. LTD.</li> <li>Address of Applicant :550 Dongtangiheung ro Dongtan myeon</li> <li>Hwaseong si Gyeonggi do 445 813 Republic of Korea</li> </ol> </li> <li>(72)Name of Inventor : <ol> <li>I)IM Dae Seong</li> <li>LEE Jae Min</li> <li>LEE Jong Soo</li> <li>BAE Sung Min</li> <li>KWON Se Chang</li> </ol> </li> </ul>
Number Filing Date	:NA :NA	

(57) Abstract :

Disclosed is a liquid formulation in which a long acting INFa conjugate that has improved in vivo duration and stability can be stored stably for a long period of time. It comprises a stabilizer comprising a buffer a sugar alcohol a non ionic surfactant and an isotonic agent. Being free of human serum albumin and other potential factors harmful to the body the liquid formulation is free of concerns about viral infections and guarantees excellent storage stability to long acting INFa conjugates.

No. of Pages : 41 No. of Claims : 26

(19) INDIA

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

#### (51) International classification :D01C3/02,D01B7/02 (71)Name of Applicant : (31) Priority Document No :1018269.9 **1)OXFORD BIOMATERIALS LIMITED** (32) Priority Date :29/10/2010 Address of Applicant : Magdalen Centre Oxford Science Park (33) Name of priority country Robert Robinson Avenue Oxford OX4 4GA U.K. :U.K. (86) International Application No 2)THE CHANCELLOR MASTER AND SCHOLARS OF :PCT/GB2011/052113 THE UNIVERSITY OF OXFORD Filing Date :31/10/2011 (87) International Publication No :WO 2012/056250 (72)Name of Inventor : (61) Patent of Addition to Application 1)KNIGHT David :NA Number 2)VOLLRATH Friedrich :NA Filing Date **3)COLLINS Andrew** (62) Divisional to Application Number :NA **4)GHEYSENS Tom** Filing Date :NA

(54) Title of the invention : A METHOD FOR DEMINERALIZING WILD SILK COCOONS TO FACILITATE REELING

#### (57) Abstract :

A method for demineralizing wild silk cocoons under mild conditions making it possible both to reel cocoons from species which can only be carded with the prior arts and to wet reel cocoons from species which can only be dry reeled or semi dry reeled with the prior arts. This in both cases reduces damage caused in processing and results in single brins and baves with markedly improved consistency in mechanical properties and increased strength and elongation to break. The method also allows substantially all of the silk to be wet reeled from cocoons. For species where the current invention enables silk to be reeled where the prior arts only enabled the carding and spinning of silk the invention makes it possible to form singles twists and yarns with very long staple lengths and hence greatly superior properties including greater strength toughness consistency of diameter and lustre compared with the short staple fibres prepared according to the prior arts. Demineralisation according to the invention also enables regenerated silk solutions to be prepared under milder conditions compared with the prior arts reducing costs and improving the properties of materials formed from the regenerated silk. The method of demineralizing wild silks according to the present invention also produces materials with reduced or abolished toxicity and allergenicity.

No. of Pages : 27 No. of Claims : 30

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ELECTRICAL POWER CONTROL OF A FIELD EMISSION LIGHTING SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:H01J1/304,H01J63/04,H01J63/06 :10197168.7 :28/12/2010 :EPO	<ul> <li>(71)Name of Applicant :</li> <li>1)LIGHTLAB SWEDEN AB</li> <li>Address of Applicant :-stermalmstorg 1 S 114 42 Stockholm</li> <li>Sweden</li> </ul>
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:PCT/EP2011/072060 :07/12/2011 :WO 2012/089468	(72)Name of Inventor : 1)HU Qiu Hong
No (61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a field emission lighting arrangement comprising an anode structure at least partly covered by a phosphor layer an evacuated envelope inside of which an anode structure is arranged and a field emission cathode wherein the field emission lighting arrangement is configured to receive a drive signal for powering the field emission lighting arrangement and to sequentially activate selected portions of the phosphor layer for emitting light. The same control regime may be applied to an arrangement comprising a plurality of field emission cathodes and a single field emission anode. Advantages with the invention includes increase lifetime of the field emission lighting arrangement.

No. of Pages : 16 No. of Claims : 15

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : POLYMORPHIC FORMS OF 2 (5 BROMO 4 (4 CYCLOPROPYLNAPHTHALEN 1 YL) 4*H* 1 2 4 TRIAZOL 3 YLTHIO) ACETIC ACID AND USES THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document Not</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> <li>(87) International</li> </ul> </li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:C07D249/12,A61K31/4196,A61P9/00 :61/428660 :30/12/2010 :U.S.A. :PCT/US2011/067657 :28/12/2011 :WO 2012/092395 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ARDEA BIOSCIENCES INC. Address of Applicant :4939 Directors Place San Diego CA</li> <li>92121 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)GALVIN Gabriel</li> <li>2)TREIBER Laszlo R.</li> <li>3)ZAMANSKY Irina</li> <li>4)GIRARDET Jean Luc</li> </ul>
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(57) Abstract :

Crystalline polymorph forms of 2 (5 bromo 4 (4 cyclopropyl naphthalen l yl) 4 l 2 4 triazol 3 ylthio)acetic acid are described. Pharmaceutical compositions and the uses of such compounds compound forms and compositions for the treatment of a variety of diseases and conditions are also presented.

No. of Pages : 50 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

#### (51) International classification :C08J3/03 (71)Name of Applicant : (31) Priority Document No 1)E. I. DU PONT DE NEMOURS AND COMPANY :201010623546.4 (32) Priority Date Address of Applicant :1007 Market Street Wilmington :31/12/2010 (33) Name of priority country Delaware 19898 U.S.A. :China (86) International Application No :PCT/US2011/067708 (72)Name of Inventor : Filing Date 1)LIAO Rong :29/12/2011 (87) International Publication No :WO 2012/092414 2)MAO Xuepu (61) Patent of Addition to Application 3)HOECK Richard George :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Disclosed are aqueous dispersions of fluoropolymer comprising from 45 to 70 weight % of non melt processible

(54) Title of the invention : NOVEL AQUEOUS DISPERSION OF POLYTETRAFLUOROETHYLENE

polytetrafluoroethylene (PTFE) particles and based on the weight of the PTFE particles from 1 to 15 weight % of nonionic surfactants and 1 10 weight % of a water soluble alkaline earth metal salt or 0.1 10 weight % of a colloidal silica. Also disclosed are compositions comprising the aqueous PTFE dispersions of this invention and their uses for coating applications with improved critical cracking thickness.

No. of Pages : 27 No. of Claims : 19

(21) Application No.4534/DELNP/2013 A

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

:A61F5/443	(71)Name of Applicant :
:61/407943	1)CONVA TEC TECHNOLOGIES INC.
:29/10/2010	Address of Applicant :3993 Howard Hughes Parkway Suite
:U.S.A.	250 Las Vegas NV 89169 6757 U.S.A.
:PCT/US2011/058019	(72)Name of Inventor :
:27/10/2011	1)NGUYEN DEMARY Tinh
:WO 2012/058388	2)TSAI Mingliang Lawrence
.NT A	
:NA	
:NA	
:NA	
	:61/407943 :29/10/2010 :U.S.A. :PCT/US2011/058019 :27/10/2011 :WO 2012/058388 :NA :NA :NA

#### (54) Title of the invention : CONTROLLED EVACUATION OSTOMY APPLIANCE

(57) Abstract :

A controlled evacuation ostomy appliance comprises a pouch having a non entrant stoma seal and a retainer for retaining the lower portion of the pouch in the folded up condition. The appliance optionally includes a body fitment that may include a region of manually moldable adhesive for forming a custom fit at the stoma.

No. of Pages : 37 No. of Claims : 32

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : A MAGNESIUM HALIDE SUPPORT FOR USE AS A COMPOSITION OF A CATALYST FOR THE OLEFIN POLYMERIZATION AND METHOD OF PREPARATION OF THE MAGNESIUM HALIDE SUPPORT

#### (57) Abstract :

An aspect of the present invention is a preparation of a magnesium halide support for using as a composition of a catalyst in an olefin polymerization wherein the magnesium halide support is a solid substance prepared by an aliphatic alcohol non ionic surfactant preferably is ethoxylated aliphatic alcohol. Another aspect of the present invention is a method for the preparation of the magnesium halide support for using as the composition of the catalyst in the olefin polymerization comprising the following steps: (a) adding a magnesium halide compound into an organic solvent and heating; (b) cooling down the mixture from (a) rapidly to the room temperature or lower in the inert organic solvent and the aliphatic alcohol non ionic surfactant; and (c) washing the magnesium halide with the anhydrous inert organic solvent and drying wherein the aliphatic alcohol non ionic surfactant is ethoxylated aliphatic alcohol.

No. of Pages : 17 No. of Claims : 27

(21) Application No.4503/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : IR PHOTODETECTORS WITH HIGH DETECTIVITY AT LOW DRIVE VOLTAGE

(57) Abstract :

An IR photodetector with high detectivity comprises an IR sensitizing layer situated between an electron blocking layer (EBL) and a hole blocking layer (HBL). The EBL and HBL significantly reduce the dark current resulting in a high detectivity while allowing use of a low applied voltage to the IR photodetector.

No. of Pages : 12 No. of Claims : 6

(21) Application No.4505/DELNP/2013 A

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:E02F9/20,E02F3/43	(71)Name of Applicant :
(31) Priority Document No	:12/958998	1)CATERPILLAR SARL
(32) Priority Date	:02/12/2010	Address of Applicant :76 Route de Frontenex CH 1208
(33) Name of priority country	:U.S.A.	Geneva Switzerland
(86) International Application No	:PCT/US2011/062524	(72)Name of Inventor :
Filing Date	:30/11/2011	1)NICHOLSON Christian
(87) International Publication No	:WO 2012/078420	2)FARMER Todd R.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		Letter and the second sec

#### (54) Title of the invention : LIFT ARM AND IMPLEMENT CONTROL SYSTEM

(57) Abstract :

(19) INDIA

A system (26) for a loader (10) stores a signal indicative of a desired inclination of an implement (25). Upon receiving an operator interface actuation signal a controller (15) transmits a signal to move the implement (25) to the stored inclination. The controller (15) further transmits a lift arm (21) command signal (51) to move a lift arm (21) towards a lower limit of travel of the lift arm (21). The lift arm command signal (51) is terminated after the controller (15) receives a signal from a sensor on the lift arm (21) indicating that the lift arm (21) is near its lower limit of travel. After the command signal (51) is terminated the controller (15) may transmit a second lift arm command signal (52) to further move the lift arm (21).

No. of Pages : 22 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :21/05/2013

(54) Title of the invention : PRESS

#### (43) Publication Date : 21/11/2014

( )		
(51) International classification	:B30B15/28,F16P3/08,F16P3/10	(71)Name of Applicant :
(31) Priority Document No	:10 2010 060 524.7	1)PHOENIX CONTACT GMBH & CO. KG
(32) Priority Date	:12/11/2010	Address of Applicant :Flachsmarktstrae 8 32825 Blomberg
(33) Name of priority country	:Germany	Germany
(86) International Application N	o:PCT/EP2011/069984	(72)Name of Inventor :
Filing Date	:11/11/2011	1)VANDIEKEN Mirko
(87) International Publication No.	o :WO 2012/062923	2)GRABBE Wilhelm
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	.11A	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.11A	

(57) Abstract :

The invention relates to a press having a coverable working region (2) in which a pressing process can be carried out by applying compressed air or fluid to the press a protective device (1) for covering the working region (2) and a pipe conduit (4 5) for transporting the compressed air or the fluid wherein a first part of the pipe conduit (4) is arranged on the protective device (1) a further part of the pipe conduit (5) is arranged on the press and the protective device (1) is configured in such a way that by removing the protective device (1) from the working region (2) the first part of the pipe conduit (4) is disconnected from the further part of the pipe conduit (5). The invention makes it possible that the press is not supplied energetically with compressed air or fluid for carrying out the pressing process until after the working region (2) has been closed with the protective device (1).

No. of Pages : 23 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : PROCESS FOR PRODUCING ETHANOL FROM THE FERMENTATION OF SUGAR SOURCES IN A FERMENTATION MEDIUM WITH HIGH ETHANOL CONTENT

(51) International classification	:C12P7/06,C12P7/14	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DEDINI S/A. INDšSTRIAS DE BASE
(32) Priority Date	:NA	Address of Applicant :Rodovia Rio Claro Piracicaba Km 263
(33) Name of priority country	:NA	Bairro Cruz Caiada 13412 900 Piracicaba SP Brazil
(86) International Application No	:PCT/BR2011/000038	(72)Name of Inventor :
Filing Date	:31/01/2011	1)MANTELATTO Paulo Eduardo
(87) International Publication No	:WO 2012/103609	2)CESAR Antonio Rogrio Pereira
(61) Patent of Addition to Application	:NA	3)BOSCARIOL Fernando Cesar
Number	:NA :NA	4)YAMAKAWA Celina Kiyomi
Filing Date	.NA	5)OLIV‰RIO Jos Luiz
(62) Divisional to Application Number	:NA	6)BARREIRA Sergio Tamassia
Filing Date	:NA	

#### (57) Abstract :

Saccharomyces cerevisiaeThe fermentation process comprises the steps of: (i) preparing a must to feed the fermentation medium containing a high sugar content containing between 16% to 30% of TRS; (ii) cooling the must to temperatures between 8°C and 30°C; (iii) feeding the yeast cream of into the fermenter so as to maintain a concentration from 5% to 15%; (iv) gradually feeding the cooled must at increasing flow rates to the fermenter containing the yeast accompanying the progressive increase of the metabolic activity of the microorganism; (v) starting the cooling process of the fermenter at the stage in which the temperature of the fermentation system surpasses from 28°C 30°C; (vi) maintaining the fermentation and must feeding; (vii) maintaining the fermentation until the TRS value is substantially zero; (viii) separating the wine and yeast in a centrifugation system; (ix) re using the separated yeast in the process; and (x) distilling the centrifuged wine to distillation.

No. of Pages : 45 No. of Claims : 21

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : HIGHLY IMMUNOGENIC HIV P24 SEQUENCES

<ul> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> </ul>	<sup>1</sup> :PCT/EP2011/069870 :10/11/2011	<ul> <li>1)LABORATORIOS DEL DR. ESTEVE S.A. Address of Applicant :Avda. Mare de Du de Montserrat 221 E</li> <li>08041 Barcelona Spain</li> <li>2)FUNDACI PRIVADA INSTITUT DE RECERCA DE LA</li> <li>SIDA CAIXA</li> <li>3)INSTITUCI CATALANA DE RECERCA I ESTUDIS</li> <li>AVAN‡ATS</li> <li>4)UNIVERSITY OF WASHINGTON</li> <li>(72)Name of Inventor :</li> <li>1)MOTHE PUJADAS Beatriz</li> <li>2)BRANDER Christian</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	3)MULLINS James I.

(57) Abstract :

The invention relates to peptides comprising part or all of a conserved element within a Center of Tree (COT) sequence derived from a family of polypeptides encoded by naturally occurring variants of HIV. The invention also relates to immunogenic compositions and vaccines comprising said peptides. The invention also relates to methods for the identification of HIV controller patients based on the detection of the T cells of the patient to mount a cytotoxic T cell response against said peptides and to methods for the identification of immunogenic peptides within a family of variant polypeptides.

No. of Pages : 68 No. of Claims : 25

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : OLIGOSACCHARIDE COMPOSITION FOR TREATING ACUTE RESPIRATORY TRACT INFECTIONS

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> </ul>	:A61K31/702,A61K45/06,A23L1/09 :10192230.0 :23/11/2010 :EPO :PCT/EP2011/070563	<ul> <li>(71)Name of Applicant :</li> <li>1)NESTEC S.A. Address of Applicant :Av. Nestl 55 CH 1800 Vevey Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)SPRENGER Norbert</li> </ul>
Application No Filing Date	:21/11/2011	
(87) International Publication No	:WO 2012/076323	
Application Number	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	
(57) Alastina et a		

#### (57) Abstract :

The inventions discloses a composition comprising at least one N acetyl lactosamine at least one sialylated oligosaccharide and at least one fucosylated oligosaccharide for use in preventing acute respiratory infections (ARI) and/or relieving symptoms of said ARI infections. Preferably said composition is a starter infant formula. Said acute respiratory infection is in particular bronchiolitis or otitis.

No. of Pages : 26 No. of Claims : 14

(21) Application No.4446/DELNP/2013 A

(19) INDIA(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : SECONDARY BATTERY CELL BATTERY PACK AND POWER CONSUMPTION DEVICE

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	H01M2/10,G06F21/06 2010263351 26/11/2010 Japan PCT/JP2011/077112 17/11/2011 WO 2012/070635 NA NA NA NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SONY CORPORATION <ul> <li>Address of Applicant :1 7 1 Konan Minato ku Tokyo 1080075</li> </ul> </li> <li>Japan <ul> <li>(72)Name of Inventor :</li> <li>1)TERAMOTO Shigeki</li> <li>2)OZAWA Atsushi</li> <li>3)NAKAMURA Kazuo</li> </ul> </li> </ul>
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(57) Abstract :

Disclosed is a secondary battery cell capable of reliably preventing an integrated circuit provided on the secondary battery cell from being removed from said secondary battery cell. A secondary battery cell (20) is provided with an integrated circuit (an IC chip) (50) which stores identification information [for example an identification number (ID number) given to the integrated circuit itself]. The integrated circuit (50) is provided with a wiring abnormality detection circuit which detects a wiring abnormality when the integrated circuit (50) is removed from the secondary battery cell (20).

No. of Pages : 127 No. of Claims : 16

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD FOR PREPARING AN INDUSTRIAL YEAST INDUSTRIAL YEAST AND USE IN THE PRODUCTION OF ETHANOL FROM AT LEAST ONE PENTOSE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:10/04709 :03/12/2010 :France	<ul> <li>(71)Name of Applicant : <ol> <li>Lesaffre et Compagnie</li> <li>Address of Applicant :41 rue Etienne Marcel F 75001 Paris</li> </ol> </li> <li>France </li> <li>(72)Name of Inventor : <ol> <li>DESFOUGERES Thomas</li> <li>PIGNEDE Georges</li> </ol> </li> </ul>
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(57) Abstract :

The present invention relates to the field of methods for obtaining ethanol producing yeast strains of yeast strains thus produced and of the industrial production of ethanol from said strains. More especially the present invention describes in most general terms a method for preparing yeasts from strains by means of the integration into the genome of the yeast of at least one gene encoding xylose isomerase and of at least one gene encoding xylitol dehydrogenase. The strain of the invention is of use for producing ethanol from a medium comprising at least one pentose preferably xylose or a xylose and arabinose mixture.

No. of Pages : 31 No. of Claims : 38

(21) Application No.4448/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:F03D11/00	(71)Name of Applicant :
(31) Priority Document No	:10 2010 052 565.0	1)WOBBEN PROPERTIES GMBH
(32) Priority Date	:25/11/2010	Address of Applicant :Dreekamp 5 26605 Aurich Germany
(33) Name of priority country	:Germany	(72)Name of Inventor :
(86) International Application No	:PCT/EP2011/071030	1)EDEN Georg
Filing Date	:25/11/2011	
(87) International Publication No	:WO 2012/069631	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (54) Title of the invention : METHOD FOR OPERATING A WIND POWER PLANT

(57) Abstract :

The present invention relates to a method for operating a wind power plant wherein the wind power plant has an aerodynamic rotor which is designed as a horizontal axle rotor and has a hub with at least one rotor blade and wherein at least one load measuring means for detecting a wind loading of the rotor is provided on the rotor. The method comprises the following steps: rotating the rotor of the wind power plant without or with reduced wind loading for calibrating the load measurement means while carrying out a load measurement using the load measurement means calibrating the load measurement means on the basis of the load measurement and already known gravity forces acting on the rotor.

No. of Pages : 21 No. of Claims : 12

#### (19) INDIA

(22) Date of filing of Application :17/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : JOINT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	<sup>n</sup> :PCT/JP2011/076888 :22/11/2011 <sup>n</sup> :WO 2012/070563 :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>SUMITOMO ELECTRIC INDUSTRIES LTD.</li> <li>Address of Applicant :5 33 Kitahama 4 chome Chuo ku Osaka shi Osaka 5410041 Japan</li> <li>SUMITOMO ELECTRIC HARDMETAL CORP.</li> <li>NATIONAL INSTITUTE OF ADVANCED</li> </ol> </li> <li>INDUSTRIAL SCIENCE AND TECHNOLOGY</li> <li>(72)Name of Inventor : <ol> <li>ISHIDA Tomoyuki</li> <li>MORIGUCHI Hideki</li> <li>NAKASHIMA Takeru</li> <li>KUKINO Satoru</li> <li>YURUGI Shinichiro</li> <li>ENAMI Teruhiro</li> <li>OKAMURA Katsumi</li> <li>MATSUDA Yusuke</li> <li>SANO Koji</li> <li>KOBAYASHI Keizo</li> <li>OZAKI Kimihiro</li> </ol> </li> </ul>
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(57) Abstract :

This joint has a cemented carbide sintered compact as a first material being joined (1) and a cBN centered compact as a second material being joined (2). The joint is characterized by the first material being joined (1) and the second material being joined (2) being joined via a joining material (3) containing titanium (Ti) disposed therebetween and a titanium nitride (TiN) compound layer with a thickness of 10 300 nm formed in the interface between the second material being joined (2) and the joining material (3).

No. of Pages : 27 No. of Claims : 6

(21) Application No.4528/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:A24F47/00	(71)Name of Applicant :
(31) Priority Document No	:10252048.3	1)PHILIP MORRIS PRODUCTS S.A.
(32) Priority Date	:03/12/2010	Address of Applicant : Quai Jeanrenaud 3 CH 2000 Neuchtel
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:PCT/EP2011/006055	(72)Name of Inventor :
Filing Date	:02/12/2011	1)THORENS Michel
(87) International Publication No	:WO 2012/072264	2)FLICK Jean Marc
(61) Patent of Addition to Application	:NA	3)COCHAND Olivier Yves
Number		4)DUBIEF Flavien
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) 1		Letter and the second sec

### (54) Title of the invention : AN AEROSOL GENERATING SYSTEM WITH PREVENTION OF CONDENSATE LEAKAGE

(57) Abstract :

There is provided an aerosol generating system for heating a liquid aerosol forming substrate. The system comprises: an aerosol forming chamber (127); and leakage prevention means (305 307)3 configured to prevent or reduce leakage of liquid aerosol condensate from the aerosol generating system. The leakage prevention means may comprise one or more of: at least one cavity in a wall of the aerosol forming chamber for collecting droplets of condensed liquid aerosol forming substrate; at least one hooked member for collecting droplets o condensed liquid aerosol forming substrate; an impactor for disrupting airflow in the aerosol forming chamber so as to collect liquid droplets; and a closure member for substantially sealing the aerosol forming chamber when the aerosol generating system is not in use.

No. of Pages : 27 No. of Claims : 12

(21) Application No.4529/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:C07C17/25,C07C21/04	(71)Name of Applicant :
(31) Priority Document No	:61/418566	1)E. I. DU PONT DE NEMOURS AND COMPANY
(32) Priority Date	:01/12/2010	Address of Applicant :1007 Market Street Wilmington
(33) Name of priority country	:U.S.A.	Delaware 19898 U.S.A.
(86) International Application No	:PCT/US2011/059258	(72)Name of Inventor :
Filing Date	:04/11/2011	1)NAPPA Mario Joseph
(87) International Publication No	:WO 2012/074669	2)LOUSENBERG Robert D.
(61) Patent of Addition to Application	:NA	3)JACKSON Andrew
Number	:NA :NA	
Filing Date	.11/A	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Alestropt		

#### (54) Title of the invention : SYNTHESIS OF 1 1 3 TRICHLORO 1 PROPENE

(57) Abstract :

Disclosed is a process for the dehydrochlorination of 1 1 1 3 tetrachloropropane comprising contacting 1 1 1 3 tetrachloropropane in the vapor phase in a reaction zone with a catalyst comprising iron to produce a product mixture comprising 1 1 3 trichloro 1 propene; and recovering said 1 1 3 trichloro 1 propene from the product mixture produced. Also disclosed is a process for the dehydrochlorination of 1 1 1 3 tetrachloropropane comprising heating 1 1 1 3 tetrachloropropane in the liquid phase to produce a mixture comprising 1 1 3 trichloro 1 propene cooling said mixture separating hydrogen chloride from said mixture and recovering 1 1 3 trichloro 1 propene.

No. of Pages : 11 No. of Claims : 8

(22) Date of filing of Application :17/12/2009

(43) Publication Date : 21/11/2014

#### (51) International classification :C07K 14/325 (71)Name of Applicant : (31) Priority Document No **1)ATHENIX CORPORATION** :NA (32) Priority Date Address of Applicant :2202 Ellis Road Suite B Durham NC · \_ (33) Name of priority country 27703 UNITED STATES OF AMERICA (86) International Application No :PCT/US2004/005829 (72)Name of Inventor : **1)CAROZZI** Nadine Filing Date :20/02/2004 (87) International Publication No : NA 2)HARGISS Tracy (61) Patent of Addition to Application 3)KOZIEL Michael G. :NA Number 4)DUCK Nicholas B. :NA Filing Date 5)CARR Brian (62) Divisional to Application Number :3665/DELNP/2005 Filed on :18/08/2005

(54) Title of the invention : DELTA-ENDOTOXIN GENES AND METHODS FOR THEIR USE

### (57) Abstract :

Compositions and methods for conferring pesticidal activity to bacteria, plants, plant cells, tissues and seeds are provided. Compositions comprising a coding sequence for a delta-endotoxin and delta-endotoxin-associated polypeptides are provided. The coding sequences can be used in DNA constructs or expression cassettes for transformation and expression in plants and bacteria. Compositions also comprise transformed bacteria, plants, plant cells, tissues, and seeds. In particular, isolated delta-endotoxin and deltaendotoxin- associated nucleic acid molecules are provided. Additionally, amino acid sequences corresponding to the polynucleotides are encompassed. In particular, the present invention provides for isolated nucleic acid molecules comprising nucleotide sequences encoding the amino acid sequences shown in in SEQ ID NOS:3, 5, 7, 9, 11, 14, 16, 18, 20, 22, 24, 27, and 29, and the nucleotide sequences set forth in SEQ ID NOS:1, 2, 4, 6, 8, 10, 12, 13, 15, 17, 19, 21, 23, 25, 26, and 28, as well as variants and fragments thereof.

No. of Pages : 83 No. of Claims : 11

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PERFORMANCE ENHANCING SPORTS BEVERAGE AND METHODS OF USE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:A61K33/42,A61K33/14,A61K33/04 :61/415016 :18/11/2010 :U.S.A. :PCT/US2011/061324	<ul> <li>(71)Name of Applicant :</li> <li>1)THE COCA COLA COMPANY Address of Applicant :One Coca cola Plaza NW Atlanta GA 30313 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)POULOS Sylvia P.</li> <li>2)BOZA Julio</li> <li>3)SCOTT Robert O.</li> </ul>
Application No Filing Date	:18/11/2011	S)SCOTT Robert O.
(87) International Publication No	:WO 2012/068431	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A performance enhancing sports drink is described. The drink which is useful before during and after exercise is specially developed to reduce lactate production reduce perceived exhaustion reduce muscle soreness (both actual muscle damage and perceived soreness) and reduce net fluid loss observed with exercise.

No. of Pages : 33 No. of Claims : 20

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR PRODUCING 2 BROMO 4 5 DIALKOXY BENZOIC ACID

<ul> <li>(51) International classification</li> <li>(31) Priority Document Not</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> <li>(87) International</li> </ul> </li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to</li> <li>Application Number</li> </ul>	:C07C51/363,C07C51/367,C07C65/21 ) :2010272668 :07/12/2010 :Japan :PCT/JP2011/078169 :06/12/2011 :WO 2012/077673 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ZERIA PHARMACEUTICAL CO. LTD. Address of Applicant :10 11 Nihonbashi Kobuna cho Chuo ku Tokyo 1038351 Japan</li> <li>(72)Name of Inventor :</li> <li>1)NAKAO Ryu</li> </ul>
Application Number Filing Date	:NA :NA	

#### (57) Abstract :

Provided is a method for efficiently producing 4 5 dialkoxy 2 hydroxybenzoic acid from low cost starting materials. Specifically provided is a method for producing 2 bromo 4 5 dialkoxy benzoic acid represented by general formula (2) (wherein R and R are as described below) which is characterized by having bromine react with 3 4 dialkoxy benzoic acid represented by general formula (1) (wherein R and R each independently represents a lower alkyl group) in concentrated hydrochloric acid.

No. of Pages : 23 No. of Claims : 13

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PLASTISOL FOR SPRAY MOLDED PLASTIC ARTICLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:C08J5/00,C08L27/06,C08K5/09 :61/419290 :03/12/2010 :U.S.A. :PCT/US2011/062679 :30/11/2011 o:WO 2012/075164 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)POLYONE CORPORATION <ul> <li>Address of Applicant :33587 Walker Road Avon Lake Ohio</li> </ul> </li> <li>44012 U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)TRESINO John</li> <li>2)CASSATA Brent</li> <li>3)HORTON Stephen D.</li> </ul> </li> </ul>
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(57) Abstract :

A plastisol is disclosed comprising poly(vinyl halide) and a trimellitate plasticizer and a second plasticizer with the trimellitate plasticizer comprising between about 60 and about 90 weight percent of the total plasticizer content. The plastisol can be made into a polymeric skin using spray molding techniques. The plastisol can be sprayed on a slush mold surface.

No. of Pages : 18 No. of Claims : 20

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : TWO STROKE OPPOSED PISTON ENGINES WITH COMPRESSION RELEASE FOR ENGINE BRAKING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:F01B7/14,F02B21/00,F02B25/08 :61/456964 :15/11/2010 :U.S.A. :PCT/US2011/001896 :14/11/2011 :WO 2012/067643 :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>ACHATES POWER INC.</li> <li>Address of Applicant :4060 Sorrento Valley Boulevard San</li> </ol> </li> <li>Diego CA 92121 U.S.A.</li> <li>(72)Name of Inventor : <ol> <li>LEMKE James U.</li> </ol> </li> <li>2)REDON Fabien G.</li> <li>3)REGNER Gerhard</li> </ul>
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(57) Abstract :

In a two stroke opposed piston engine a ported cylinder with a pair of opposed pistons is equipped with a decompression port including a valve and a passage with an opening through the cylinder wall that is located between the cylinder s intake and exhaust ports. The decompression port enables the release of compressed air from the cylinder after the intake and exhaust ports are closed. The valve controls airflow through the passage and is opened to permit compressed air to be released from the cylinder through the passage and closed to retain compressed air in the cylinder. Engine braking is supported by release of compressed air through the decompression port into an exhaust channel when the pistons are at or near top dead center positions as the cycle transitions from the intake/compression stroke to the power/exhaust stroke. Compression release from the cylinder via the decompression port after intake and exhaust port closure can also support other engine operations.

No. of Pages : 21 No. of Claims : 17

(21) Application No.4495/DELNP/2013 A

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:G01H3/08,G01M13/02	(71)Name of Applicant :
(31) Priority Document No	:1020381.8	1)JOHN CRANE UK LIMITED
(32) Priority Date	:02/12/2010	Address of Applicant :361/366 Buckingham Avenue Slough
(33) Name of priority country	:U.K.	SL1 4LU U.K.
(86) International Application No	:PCT/GB2011/001672	(72)Name of Inventor :
Filing Date	:02/12/2011	1)MECK Klaus Dieter
(87) International Publication No	:WO 2012/072984	2)CARLISLE Peter Derek
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : COMPONENT FAILURE DETECTION SYSTEM

(57) Abstract :

(19) INDIA

An apparatus for detecting fatigue induced failure of an assembly having a single flexible element or a series of flexible elements stacked in juxtaposed engagement for transmitting power from one component to another the assembly having a cyclic operating speed frequency includes at least one sensor mounted in proximity to said assembly the sensor providing an analogue signal corresponding to an airborne acoustic signal emitted by the assembly means for amplifying the analogue signal filter means to reduce background noise from the analogue signal an analogue to digital converter for converting the analogue signals to a digital signal means for sampling the digital signals in respect of the operating speed frequency of the assembly and means for analysing the digital signals and providing an output upon the occurrence of one or more digital signal spikes in an operating cycle.

No. of Pages : 25 No. of Claims : 15

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : PHARMACEUTICAL COMPOSITIONS COMPRISING (3 (1 (1H IMIDAZOL 4 YL)ETHYL) 2 METHYLPHENYL)METHANOL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:A61K31/4174,A61P27/06 :61/414180 :16/11/2010 :U.S.A. :PCT/US2011/060236 :10/11/2011 :WO 2012/067941 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ALLERGAN INC. Address of Applicant :2525 Dupont Drive Irvine California</li> <li>92886 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)DIBAS Mohammed I.</li> <li>2)DONELLO John E.</li> <li>3)GIL Daniel W.</li> </ul>
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(57) Abstract :

The present invention relates to method of lowering intraocular pressure in a subject in need of such treatment which comprises administering a therapeutically effective amount of a composition comprising [3 (1 (1H imidazol 4 yl)ethyl) 2 methylphenyl] methanol or enantiomers thereof or tautomers thereof pharmaceutical compositions containing them and their use as pharmaceuticals.

No. of Pages : 21 No. of Claims : 15

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : THERAPEUTIC COMPOSITIONS COMPRISING RILPIVIRINE HCL AND TENOFOVIR DISOPROXIL FUMARATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K9/20,A61K31/505,A61K31/513 :61/415600 :19/11/2010 :U.S.A. :PCT/US2011/061515 :18/11/2011 :WO 2012/068535 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)GILEAD SCIENCES INC. Address of Applicant :333 Lakeside Drive Foster City CA</li> <li>94404 U.S.A.</li> <li>2)JANSSEN R &amp; D IRELAND</li> <li>(72)Name of Inventor :</li> <li>1)OLIYAI Reza</li> <li>2)WISER Lauren</li> <li>3)MENNING Mark</li> </ul>
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(57) Abstract :

The invention provides multilayer tablets that contain rilpivirine hydrochloride emtricitabine and tenofivir disoproxil fumarate. The tablets are useful for the treatment of HIV.

No. of Pages : 55 No. of Claims : 38

(21) Application No.4425/DELNP/2013 A

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : THERMOPLASTIC STARCH COMPOSITIONS

(57) Abstract :

The present invention relates to improvements in prevention of discoloration of thermoplastic starch materials and their blends with other thermoplastic materials.

No. of Pages : 28 No. of Claims : 15

(22) Date of filing of Application :17/12/2010

(43) Publication Date : 21/11/2014

### (54) Title of the invention : BETA-STRAND MIMETICS AND METHOD RELATING THERETO

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filed on</li> </ul>	:NA : - :	<ul> <li>(71)Name of Applicant :</li> <li>1)CHOONGWAE PHARMA CORPORATION <ul> <li>Address of Applicant :698 Shindaebang-dong Dongjak-ku</li> </ul> </li> <li>Seoul 156-757 Republic of Korea <ul> <li>(72)Name of Inventor :</li> <li>1)KAHN Michael</li> </ul> </li> <li>2)MASAKATSU Eguchi <ul> <li>3)MOON Sung-Hwan</li> <li>4)CHUNG Jae- Uk</li> </ul> </li> </ul>
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(57) Abstract :

Conformationally constrained compounds which mimic the secondary structure of -strand regions of biologically active peptides and proteins are disclosed. Such -strand mimetic structures have utility over a wide range of fields, including use as diagnostic and therapeutic agents. Libraries containing the -strand mimetic structures of this invention are also disclosed as well as methods for screening the same to identify biologically active members.

No. of Pages : 104 No. of Claims : 15

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

(51) International classification :C07C4/18,C07C15/085,C07C7/04 (71)Name of Applicant : (31) Priority Document No. 12/903177	(54) Title of the invention : METHOD FOR PRODUCING CUMENE		
<ul> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(34) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>NA</li> <li>(63) Patent</li> <li>(64) Patent</li> <li>(65) Divisional to Application</li> <li>(66) Date</li> <li>(72) Name of Inventor :</li> <li>(72) Name of Inventor :</li> <li>(73) Name of Inventor :</li> <li>(74) Name of Inventor :</li> <li>(74) Name of Inventor :</li> <li>(75) Name of Inventor :</li> <li>(72) Name of Inventor :</li> <li>(73) JOHNSON James A.</li> <li>(74) STEWARD Margo</li> <li>(75) KOLJACK Mathias</li> </ul>	<ul> <li>(51) International classificatio</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> </ul> </li> <li>Application Number <ul> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> </ul> </li> </ul>	n:C07C4/18,C07C15/085,C07C7/04 :12/903177 :12/10/2010 :U.S.A. :PCT/US2011/055058 :06/10/2011 :WO 2012/051037 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)UOP LLC</li> <li>Address of Applicant :25 East Algonquin Road P. O. Box</li> <li>5017 Des Plaines Illinois 60017 5017 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)JAN Deng Yang</li> <li>2)STANDING Christopher L.</li> <li>3)JOHNSON James A.</li> <li>4)STEWARD Margo</li> </ul>

(57) Abstract :

One exemplary embodiment can be a method for processing polyisopropylbenzene for producing cumene. The method can include passing a transalkylation feed stream to a transalkylation zone and passing a reaction product to a separation zone. Typically the separation zone produces a stream including di isopropylbenzene tri isopropylbenzene and one or more heavy compounds. Moreover the stream may include at least 0.7% by weight of the one or more heavy compounds based on the weight of the di isopropylbenzene tri isopropylbenzene tri isopropylbenzene and at least a portion of the stream is recycled to the transalkylation zone.

No. of Pages : 25 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

#### (51) International classification :F02D45/00 (71)Name of Applicant : (31) Priority Document No 1)TOYOTA JIDOSHA KABUSHIKI KAISHA :NA (32) Priority Date Address of Applicant :1 Toyota cho Toyota shi Aichi 4718571 :NA (33) Name of priority country :NA Japan (86) International Application No :PCT/JP2010/073761 (72)Name of Inventor : 1)TASHIMA Kazuchika Filing Date :28/12/2010 (87) International Publication No :WO 2012/090316 2)OKUBO Naova (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : ERROR DETECTION DEVICE FOR INTERNAL COMBUSTION ENGINE

#### (57) Abstract :

The objective of the present invention is to enable errors with a fuel property sensor used in the determination of the fuel property and particularly sticking errors to be detected accurately in an internal combustion engine the operation of which is controlled in response to the property of the fuel being used. To achieve this objective the present invention provides an error detection device for which a fuel property sensor is provided in a branch flow path for which a condition occurs wherein fuel leaks from inside said flow path during the interval from startup of the internal combustion engine until the next startup after the engine has stopped rather than the main flow path of the fuel flow path connecting the fuel pump and the injector. The output value from the fuel property sensor when fuel is flowing in that branch flow path is picked up as a first sensor output value and the output value from the fuel property sensor when the fuel leaks from that branch flow path is picked up as a second sensor output value. Then the first sensor output value and the second sensor output value are used as criteria in determining whether there is an error with the fuel property sensor.

No. of Pages : 59 No. of Claims : 6

(21) Application No.4059/DELNP/2013 A

(22) Date of filing of Application :06/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : FLEXIBLE DEVICE FOR ELECTRICALLY CONNECTING AN ELECTRIC COMPONENT AND A PRINTED CIRCUIT BOARD TOGETHER SYSTEM AND METHOD FOR MOUNTING A SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> </ul>	:10 2010 050 700.8 :06/11/2010	<ul> <li>(71)Name of Applicant :</li> <li>1)JOHNSON CONTROLS TECHNOLOGY COMPANY Address of Applicant :915 East 32nd Street Holland MI 49423</li> </ul>
<ul> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:Germany :PCT/EP2011/004870 :29/09/2011 :WO 2012/059159 :NA :NA :NA	U.S.A. (72)Name of Inventor : 1)MODOCK Pascal
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The invention relates to a flexible device for electrically connecting an electric component and a printed circuit board together wherein the flexible electric connection device includes a main extension direction and the flexible electric connection device includes a first contact region formed at one end of the flexible electric connection device in the main extension direction as well as a second contact region formed at the other end of the flexible electric connection device in the main extension direction the flexible electric connection device in the main extension direction the flexible electric connection device including a stiffener or the flexible electric connection device being combined with a supporting element the electric component being provided so as to be in direct electric contact with the flexible electric connection device via the first contact region.

No. of Pages : 27 No. of Claims : 10

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PROFILED PLANE ABRADING TOOL FOR TIRE REPAIRS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:B23P15/28,B26D1/00,B26D3/00 :NA :NA :NA :PCT/US2010/058443 :30/11/2010 :WO 2012/074517 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)MICHELIN RECHERCHE ET TECHNIQUE S.A. Address of Applicant :Route Louis Braille 10 CH 1763</li> <li>Granges Paccot Switzerland</li> <li>2)COMPAGNIE GENERALE DES ETABLISSEMENTS</li> <li>MICHELIN</li> <li>(72)Name of Inventor :</li> <li>1)IKONOMOV Metodi Lubenov</li> <li>2)ZARAK Cesar Enrique</li> </ul>
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(57) Abstract :

The present invention includes methods and apparatus for controlling the abrasion of a tire surface. Particular embodiments provide an abrading tool for abrading a surface of a tire the tool comprising means for rotating an abrading wheel an abrading wheel rotatably attached to the means for rotating and a depth guide secured to the means for rotating wherein the depth guide includes a pair of freely rotatable spaced apart guide wheels. Further embodiments include a depth guide configured for use with an abrading tool which includes a abrading wheel and a means for rotating the abrading wheel the depth guide comprising a mounting member securable to the means for rotating and a pair of freely rotatable spaced apart guide wheels rotatably attached to the mounting member. Particular embodiments further include a method for preparing a portion of a tire for repair.

No. of Pages : 17 No. of Claims : 20

(12) PATENT APPLICATION P	UBLICATION	(21) Application No.4359/DELNP/2013 A
(19) INDIA		
(22) Date of filing of Application	:15/05/2013	(43) Publication Date : 21/11/2014
(54) Title of the invention : MED	ICAL LIGHT SOURCE DEVICE	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:06/12/2011	<ul> <li>(71)Name of Applicant : <ol> <li>ACP JAPAN CO. LTD.</li> <li>Address of Applicant :27 3 Hongo 2 chome Bunkyo ku Tokyo 1130033 Japan</li> </ol> </li> <li>(72)Name of Inventor : <ol> <li>NAKAMURA Shoichi</li> </ol> </li> </ul>

#### (57) Abstract :

The purpose of the present invention is to provide a medical light source device that can assure long illumination time necessary in surgery at a medical site. This medical light source device is mounted on the body of an operator and shines light on a surgical site. An illuminating part (81) is mounted on the body of the operator by a holding frame (7) and an acceleration sensor (80) that detects the movements of the operator is provided. A control unit (84) controls the current to the illuminating part (81) from a power supply unit and also controls reductions in the brightness of the illuminating part (81) or stops the flow of electricity to the illuminating part (81) when the acceleration sensor (80) detects acceleration of a prescribed value or higher.

No. of Pages : 53 No. of Claims : 27

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : PROCESS FOR SEPARATING AND RECOVERING ETHANE AND HEAVIER HYDROCARBONS FROM LNG

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:C10L3/10,C10G31/06,C07C7/09 :61/405192 :20/10/2010 :U.S.A. :PCT/US2011/057106 :20/10/2011 :WO 2012/054729 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)PATEL Kirtikumar Natubhai Address of Applicant :7418 Althea Ct. Sugar Land TX 77479 U.S.A.</li> <li>2)PATEL Rohit N.</li> <li>(72)Name of Inventor :</li> <li>1)PATEL Kirtikumar Natubhai</li> <li>2)PATEL Rohit N.</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A process for extracting heavier components e.g. NGL from liquid/fluid streams such as Rich LNG (RLNG) stream(s) with the streamlined economy. The process involves heating the RLNG stream in heat exchanger(s) (LNGX) against column overhead vapour stream; not requiring separation of Feed streams into feed and reflux by splitting either pre or post of heat LNGX. The source liquid RLNG is processed producing liquid NGL and at same time returning purified Lean LNG (LLNG) product in its Liquid LNG form. The process operates essentially without the need for compression equipment. The process further provides without compressors vaporized natural gas at pipeline pressure and specifications. This is a system that can flexibly change product compositions and specifications of product NGL/Lean LNG/Pipeline Gas and operate in both Pipeline Specification deep 99% Ethane (C2) Extraction and Ethane (C2) Rejection NGL recovery modes with economy of equipment and energy requirements.

No. of Pages : 57 No. of Claims : 30

(22) Date of filing of Application :22/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : PESTICIDAL MIXTURES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> <li>(87) International</li> </ul> </li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> <li>Filing Date</li> </ul> </li> </ul>	:A01N43/36,A01N43/40,A01N43/90 :10195199.4 :15/12/2010 :EPO :PCT/EP2011/072946 :15/12/2011 :WO 2012/080415 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SYNGENTA PARTICIPATIONS AG Address of Applicant :Schwarzwaldallee 215 CH 4058 Basel Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)RENOLD Peter</li> <li>2)CASSAYRE Jr'me Yves</li> <li>3)EL QACEMI Myriem</li> <li>4)PABBA Jagadish</li> <li>5)PITTERNA Thomas</li> </ul>
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#### (57) Abstract :

The present invention relates to pesticidal mixtures comprising a component A and a component B wherein component A is a compound of formula I wherein one of Y and Y is S SO or SO and the other is CH; L is a direct bond or methylene; A and A are C H or one of A and A is C H and the other is N; R is hydrogen or methyl; R is chlorodifluoromethyl or trifluoromethyl; R is 3 5 dibromo phenyl 3 5 dichloro phenyl 3 4 dichloro phenyl or 3 4 5 trichloro phenyl 3 5 dichloro 4 fluoro phenyl or 3 5 bis trifluoromethylphenyl; Ris methyl or chlorine; R is hydrogen; or R and R together form a bridging 1 3 butadiene group; and wherein component B is an insecticide. The invention also relates to methods of controlling insects acarines nematodes or molluscs which comprises applying to a pest to a locus of a pest or to a plant susceptible to attack by a pest a combination of components A and B.

No. of Pages : 52 No. of Claims : 15

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : 1 (HETEROCYCLIC CARBONYL) 2 SUBSTITUTED PYRROLIDINES AND THEIR USE AS FUNGICIDES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07D401/14,C07D403/12,C07D407/14 :10356027.2 :21/10/2010 :EPO :PCT/EP2011/068290 :20/10/2011 :WO 2012/052491 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant :Alfred Nobel Strasse 10 40789</li> <li>Monheim Germany</li> <li>(72)Name of Inventor :</li> <li>1)BENTING J<sup>1</sup>/<sub>4</sub>rgen</li> <li>2)DAHMEN Peter</li> <li>3)DESBORDES Philippe</li> <li>4)GARY Stphanie</li> <li>5)HADANO Hiroyuki</li> <li>6)VORS Jean Pierre</li> <li>7)WACHENDORFF NEUMANN Ulrike</li> </ul>

(57) Abstract :

The present invention relates to fungicidal 1 (heterocyclic carbonyl) 2 substituted pyrrolidines and their thiocarbonyl derivatives their process of preparation and intermediate compounds for their preparation their use as fungicides particularly in the form of fungicidal compositions and methods for the control of phytopathogenic fungi of plants using these compounds or their compositions.

No. of Pages : 60 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :17/05/2013

#### (43) Publication Date : 21/11/2014

(51) International classification	:B25J15/08	(71)Name of Applicant :
(31) Priority Document No	:2010237556	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(32) Priority Date	:22/10/2010	Address of Applicant :1 Toyota cho Toyota shi Aichi 471857
(33) Name of priority country	:Japan	Japan
(86) International Application No	:PCT/JP2011/073533	(72)Name of Inventor :
Filing Date	:13/10/2011	1)MATSUOKA Hirofumi
(87) International Publication No	:WO 2012/053416	
(61) Patent of Addition to Application	.NT 4	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : GRIPPING DEVICE

#### (57) Abstract :

A gripping device is provided with a gripping unit comprising a plurality of claws for clamping a workpiece and a plurality of contact sections which are attached at the sites where the plurality of claws contact the workpiece and which are provided with a saccate member configured from an elastic material and a particulate matter that is filled into the saccate member. The gripping unit grips the workpiece by displacing the plurality of claws so as to clamp the workpiece by means of the plurality of contact sections and then increasing the volume ratio of the particulate matter relative to the internal volume of the saccate member so that the particulate matter is held and hardened in a shape conforming to the outer surface shape of the workpiece. The gripping unit is preferably provided with a regulating member that is contiguous with the front surface of the saccate member which is the site where the saccate member contacts the workpiece and regulates the positions of the side surfaces which are sites formed substantially orthogonal to the front section. By increasing the thickness of the contact sections in the clamping direction it is possible to prevent the contact sections from sagging downwards and to allow the conformance of the contact sections to the protrusions and recesses of the workpiece without gaps therebetween.

No. of Pages : 24 No. of Claims : 5

(12) PATENT APPLICATION PUBLICATION (21) Application No.4403/DELNP/2013 A (19) INDIA (22) Date of filing of Application :16/05/2013 (43) Publication Date : 21/11/2014 (54) Title of the invention : FIBER OPTIC CABLES WITH ACCESS FEATURES (51) International classification:B29C47/02,B29C47/28,G02B6/44 (71)Name of Applicant : (31) Priority Document No :61/416684 1)CORNING CABLE SYSTEMS LLC (32) Priority Date :23/11/2010 Address of Applicant :800 17th Street NW Hickory North (33) Name of priority country :U.S.A. Carolina 28602 U.S.A. (86) International Application (72)Name of Inventor : :PCT/US2011/062002 1)GIMBLET Michael J No :23/11/2011 2)GREENWOOD Julian L III Filing Date (87) International Publication :WO 2012/071490 No (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

Cables are constructed with discontinuities (50) in the cable jacket (30) that allow the jacket to be torn to provide access to the cable core. The discontinuities can be longitudinally extending strips of material in the cable jacket. The discontinuities allow a section of the cable jacket to be pulled away from a remainder of the jacket using a relatively low peel force between 20 and 40 Newton.

No. of Pages : 24 No. of Claims : 28

(19) INDIA

(22) Date of filing of Application :17/05/2013

(43) Publication Date : 21/11/2014

(0.)		
(51) International classification	:H01F27/28	(71)Name of Applicant :
(31) Priority Document No	:13/015694	1)USES INC.
(32) Priority Date	:28/01/2011	Address of Applicant :152 Old Colchester Road Quaker Hil
(33) Name of priority country	:U.S.A.	CT 06375 U.S.A.
(86) International Application No	:PCT/US2011/001251	(72)Name of Inventor :
Filing Date	:15/07/2011	1)WOHLFORTH E. Brian
(87) International Publication No	:WO 2012/102691	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : AC POWER CONDITIONING CIRCUIT

(57) Abstract :

A multi coil choke for an AC power conditioner includes a magnetic core having first second and third parallel legs. A first coil wrapped around the first leg terminates in first and second leads at respective ends. A second coil wrapped around the second leg terminates in first and second leads at respective ends. A third coil wrapped around the third leg terminates in first and second leads at respective ends. A fourth coil is formed from a proximal portion of the second lead of said first coil. The fourth coil is wrapped around a distal portion of the second lead of the third coil. A fifth coil is formed from a proximal portion of the second lead of the third coil. The fifth coil is wrapped around a distal portion of the second lead of the first coil. AC power conditioners using one or more such chokes are also disclosed.

No. of Pages : 27 No. of Claims : 20

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : COMBINATION OF CHECKPOINT KINASE 1 INHIBITORS AND WEE 1 KINASE INHIBITORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K31/437,A61K31/495,A61K31/551 :61/414337 :16/11/2010 :U.S.A. :PCT/US2011/060998 :16/11/2011 :WO 2012/074754 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ARRAY BIOPHARMA INC. Address of Applicant :3200 Walnut Street Boulder Colorado 80301 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)DAVIES Kurtis D.</li> <li>2)GROSS Stefan</li> </ul>
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(57) Abstract :

A combination of a CHK1 inhibitor and a WEE1 inhibitor are provided.

No. of Pages : 47 No. of Claims : 93

(19) INDIA

(22) Date of filing of Application :10/07/2010

(43) Publication Date : 21/11/2014

#### (51) International classification :C12N (71)Name of Applicant : (31) Priority Document No 1)ANGIOCHEM INC. :61/008,825 (32) Priority Date Address of Applicant :201 President-Kennedy Avenue Suite :20/12/2007 (33) Name of priority country PK-R220 Montral Qubec H2X 3Y7 Canada. :U.S.A. (86) International Application No (72)Name of Inventor : :PCT/CA2008/002269 Filing Date **1)BELIVEAU RICHARD** :19/12/2008 (87) International Publication No : NA **2)DEMEULE MICHEL** (61) Patent of Addition to Application **3)CHE CHRISTIAN** :NA Number **4)REGINA ANTHONY** :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : POLYPEPTIDE-NUCLEIC ACID CONJUGATES AND USES THEREOF

(57) Abstract :

The present invention is directed to polypeptide-nucleic acid conjugates. The conjugates can allow for targeted application of a therapeutic RNAi agent across the blood-brain barrier to treat, for example, a cancer, neurodegenerative disease, or lysosomal storage disorder.

No. of Pages : 90 No. of Claims : 52

(19) INDIA

(22) Date of filing of Application :17/09/2010

#### (43) Publication Date : 21/11/2014

(54) Title of the invention : A WHIPPED CONFECTION		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filed on</li> </ul> </li> </ul>	:A23G :NA : - : :PCT/US2004/014813 :12/05/2004 : NA :NA :NA :NA :4927/DELNP/2005	<ul> <li>(71)Name of Applicant :</li> <li>1)RICH PRODUCTS CORPORATION <ul> <li>Address of Applicant :1150 Niagara Street Buffalo NY</li> </ul> </li> <li>14213 U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)PERKS Cheryl</li> <li>2)PIATKO Michael</li> <li>3)AURAND Thomas</li> </ul> </li> </ul>

### (57) Abstract :

A whipped confection that can be prepared and displayed at ambient temperatures comprising triglyceride fat which in turn comprises a first fraction of vegetable oil having an iodine value of 5 or less and a second fraction of hardening fat, wherein the first fraction makes up about 80-90% of the triglyceride fat and the second fraction is present in an amount between 10-20% of the total fat; an emulsifier component comprising stabilizing and destabilizing emulsifiers such that the stabilizer to destabilizer hydrophilic / lipophilic balance (HLB) ratio is between 1 and 4 and one or more sugars; optionally comprising one or more proteins, flavorings and intensive sweetners as herein described, wherein the whipped confection has an overrun of between 150 to 500.

No. of Pages : 27 No. of Claims : 11

# (12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :21/05/2013

#### (43) Publication Date : 21/11/2014

#### :G01V1/46,G01V1/00 (71)Name of Applicant : (51) International classification 1)CHEVRON U.S.A. INC. (31) Priority Document No :61/413173 Address of Applicant :6001 Bollinger Canyon Road San (32) Priority Date :12/11/2010 Ramon California 94583 U.S.A. (33) Name of priority country :U.S.A. 2)LOS ALAMOS NATIONAL SECURITY LLC (86) International Application No :PCT/US2011/059973 (72)Name of Inventor : Filing Date :09/11/2011 1)VU Cung Khac :WO 2012/064842 (87) International Publication No 2)NIHEI Kurt T. (61) Patent of Addition to Application :NA **3)JOHNSON Paul A.** Number 4)GUYER Robert A. :NA Filing Date 5)TEN CATE James A. (62) Divisional to Application Number :NA **6)LE BAS Pierre Yves** Filing Date :NA 7)LARMAT Carene S.

### (54) Title of the invention : SYSTEM AND METHOD FOR GENERATING MICRO SEISMIC EVENTS AND CHARACTERIZING PROPERTIES OF A MEDIUM WITH NON LINEAR ACOUSTIC INTERACTIONS

#### (57) Abstract :

A method and system for generating a micro seismic event in a medium from a non linear interaction to characterize the medium is provided. The method includes generating by a first acoustic source (SI 12) a first coded acoustic signal comprising a first plurality of pulses arranged as a time sequence each pulse comprising a modulated signal at a central frequency; and generating by a second acoustic source (S2 14) a second coded acoustic signal comprising a second plurality of pulses arranged as a time sequence wherein each pulse comprises a modulated signal and a central frequency of the modulated signal within each pulse in the second plurality of pulses is a selected fraction d of the central frequency of the modulated signal for the corresponding pulse in the first plurality of pulses. The method further includes receiving by a receiver (R) a detected signal including a third signal being generated by a non linear mixing process from the first acoustic signal and the second acoustic signal in the mixing zone; performing by a processor data processing on the received signal or correlating with a coded signal template or both to extract the third signal generated by the non linear mixing process over noise or over signals generated by a linear interaction process or both to obtain an emulated micro seismic event signal occurring at the mixing zone; and characterizing properties of the medium or creating a 3D image of the properties of the medium or both based on the emulated micro seismic event signal.

No. of Pages : 50 No. of Claims : 35

(21) Application No.4394/DELNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : INSECT FEEDER		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:A01K29/00 :12/928451 :10/12/2010 :U.S.A. :PCT/US2011/001961 :06/12/2011 :WO 2012/078189 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TOKITAE LLC Address of Applicant :11235 SE 6th Street Suite 200 Bellevue Washington 98004 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)ACAR E. Barcin</li> <li>2)BURTON David R.</li> <li>3)ELLIS Ted B.</li> <li>4)MULLEN Emma Rae</li> <li>5)NASH David R.</li> <li>6)VINTON Michael</li> </ul>

(57) Abstract :

An insect feeder that allows membrane feeding with a membrane above a feeding medium.

No. of Pages : 23 No. of Claims : 37

#### (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : METHODS (	OF TREATING CANCER	R
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul> </li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:G01N33/574 :61/413275 :12/11/2010 :U.S.A.	<ul> <li>(71)Name of Applicant : <ol> <li>ENDOCYTE INC.</li> <li>Address of Applicant :3000 Kent Avenue West Lafayette IN</li> </ol> </li> <li>(72)Name of Inventor : <ol> <li>REDDY Joseph Anand</li> <li>LEAMON Christopher Paul</li> <li>NGUYEN Binh</li> </ol> </li> </ul>

(57) Abstract :

Described are methods and compositions for treating epithelial tumors with a folate vinca conjugate in combination with at least one other chemotherapeutic agent in which the tumors include ovarian endometrial or non small cell lung cancer tumors including platinum resistant ovarian tumors and platinum sensitive ovarian tumors.

No. of Pages : 60 No. of Claims : 33

# (12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : FEED METHOD AND UNIT FOR FITTING A COUPON TO A COLLAR AND HINGED LID PACKAGE WITH A COLLAR AND COUPON

classification	<ul> <li>(71)Name of Applicant :</li> <li>1)G.D SOCIETA PER AZIONI</li></ul>
(31) Priority Document No :BO2010A000702	Address of Applicant :Via Battindarno 91 Bologna Italy <li>(72)Name of Inventor :</li> <li>1)FERRARI Michele</li> <li>2)PARAZZA Davide</li> <li>3)SARTI Stefano</li> <li>4)BIONDI Andrea</li>

(57) Abstract :

A method and feed unit (28) for fitting a coupon (19) to a collar (14) and which provide for placing the coupon (19) on a first wall (16; 17) of the collar (14); folding a retaining tab (20) of the collar (14) into a raised position with respect to the first wall (16; 17) before placing the coupon (19) on the first wall (16; 17); and folding the retaining tab (20) towards the collar (14) after placing the coupon (19) on the first wall (16; 17); to secure the coupon (19) to the collar (14) by gripping the coupon (19) against the first wall (16; 17).

No. of Pages : 43 No. of Claims : 19

(12) PATENT APPLICATION PUBLICATION(19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : COMPRESSION AND DECOMPRESSION OF REFERENCE IMAGES IN A VIDEO CODING DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No.</li> </ul>	:H04N7/26 :11150714.1 :12/01/2011 :EPO :PCT/EP2012/050/430	<ul> <li>(71)Name of Applicant :</li> <li>1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant :Wittelsbacherplatz 2 80333 M<sup>1</sup>/<sub>4</sub>nchen Germany</li> <li>(72)Name of Inventor :</li> </ul>
(86) International Application No	:PCT/EP2012/050430 :12/01/2012	(72)Name of Inventor :
Filing Date (87) International Publication No	:WO 2012/095487	1)AMON Peter 2)OERTEL Norbert
(61) Patent of Addition to Application Number	:NA :NA	3)B,,SE Gero 4)HUTTER Andreas
Filing Date (62) Divisional to Application Number	:NA	5)AGTHE Bernhard 6)KUTKA Robert
Filing Date	:NA	

(57) Abstract :

The invention relates to methods and devices for providing a reconstructed image within the framework of a predictive coding. According to the invention the reconstructed image is compressed according to a coding mode of an image coding device and stored in a reference image memory.

No. of Pages : 31 No. of Claims : 16

(21) Application No.4378/DELNP/2013 A

(19) INDIA(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

(51) International classification	:H04N7/26	(71)Name of Applicant :
(31) Priority Document No	:11150714.1	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:12/01/2011	Address of Applicant :Wittelsbacherplatz 2 80333 M <sup>1</sup> / <sub>4</sub> nchen
(33) Name of priority country	:EPO	Germany
(86) International Application No	:PCT/EP2012/050435	(72)Name of Inventor :
Filing Date	:12/01/2012	1)AGTHE Bernhard
(87) International Publication No	:WO 2012/095490	2)KUTKA Robert
(61) Patent of Addition to Application	:NA	3)AMON Peter
Number	:NA :NA	4)B,,SE Gero
Filing Date	.1NA	5)HUTTER Andreas
(62) Divisional to Application Number	:NA	6)OERTEL Norbert
Filing Date	:NA	
		•

(54) Title of the invention : COMPRESSION AND DECOMPRESSION OF REFERENCE IMAGES IN A VIDEO ENCODER

(57) Abstract :

The invention relates to methods and devices for transforming image data which are transformed by a compression filter before being compressed and stored in a reference image memory. In an extension an inverse transformation to that of the compression filter is performed by a decompression filter when image data from the reference memory are read out and decompressed. The invention can be used for image compression methods and image decompression methods that use reference image memories.

No. of Pages : 20 No. of Claims : 8

### **CONTINUED TO PART-2**

### **CONTINUED FROM PART-1**

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : CORRECTION OF LOW ACCURACY CLOCK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:61/493023 :03/06/2011 :U.S.A. :PCT/EP2012/060373 :01/06/2012 :WO 2012/164068 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ST ERICSSON SA Address of Applicant :Chemin du Champ des Filles 39 CH</li> <li>1228 Plan les Ouates Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)ELLIS Andrew</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	
6		

(57) Abstract :

An electronic device has two oscillators for example a first highly accurate crystal oscillator and a second less accurate low power oscillator. In a normal mode of operation time is counted based on an output from the crystal oscillator but in a low power mode of operation time is counted based on an output from the less accurate oscillator. During the low power mode of operation a calibration process is performed repeatedly. During a first calibration time period the second oscillator is calibrated against the first oscillator to obtain a first calibration result and a recalibration is performed during a second calibration time period to obtain a second calibration result. A correction factor is determined from the first and second calibration results and the correction factor is applied when subsequently counting time based on the output from the second oscillator.

No. of Pages : 34 No. of Claims : 30

(21) Application No.10/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :03/01/2014

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : COMBING MACHINE HAVING A SHIELDING ELEMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> <li>(87) International</li> </ul> </li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> </ul> </li> </ul>	:D01G19/14,D01G19/24,D01G19/28 :955/11 :06/06/2011 :Switzerland :PCT/CH2012/000119 :25/05/2012 :WO 2012/167390 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)MASCHINENFABRIK RIETER AG Address of Applicant :Klosterstrasse 20 CH 8406 Winterthur Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)PEULEN Jacques</li> <li>2)WILL Michael</li> </ul>
Filing Date	:NA	

(57) Abstract :

The invention relates to a combing machine comprising a clamping assembly (1) which can be pivoted back and forth and which has a lower clamping plate (12) and an upper movably supported clamping plate (14) a top comb (11) and a combing cylinder (4) rotatably supported inside a housing (50) below the clamping assembly (1) wherein the housing (50) is connected to a vacuum source (P) and has at least one opening (R2) which is connected to the space (R) between the clamping assembly (1) and a subsequent first roller pair (24) downstream of which a second roller pair (25) is arranged and a rotatable cleaning element (34) is attached above the upper pressure rollers (24b 25b) of the first and second roller pairs (24 25). In order to eliminate disturbing effects on the soldering process by the air sucked out of the housing (50) it is proposed that a shielding element (30) is attached in the region between the clamping assembly (1) and the cleaning element (34) which shielding element extends over the length of the cleaning element wherein the lower longitudinal edge (31) of the shielding element (30) which shielding element extends upward is arranged at a distance (a) of between 0.1 mm and 7 mm from the circumferential surface (u1) of the pressure roller (24b) of the first roller pair (24).

No. of Pages : 15 No. of Claims : 7

(21) Application No.100/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :17/01/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : FOAM MATTRESS WITH PROGRESSIVE SUPPORT CHARACTERISTICS AND METHOD FOR MANUFACTURING THE SAME

(51) International classification (31) Priority Document No	:A47C23/04 :61/509419	(71)Name of Applicant : 1)KINGSDOWN INC.
(32) Priority Date	:19/07/2011	Address of Applicant :126 West Holt Street Mebane North
(33) Name of priority country	:U.S.A.	Carolina 27302 U.S.A.
(86) International Application No	:PCT/US2012/047158	(72)Name of Inventor :
Filing Date	:18/07/2012	1)FARNHAM John
(87) International Publication No	:WO 2013/012904	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A mattress includes top and bottom foam layers. A bottom surface of the top foam layer and a top surface of the bottom foam layer include protrusions and recessions. The protrusions of the top surface of the bottom foam layer protrude into the recessions of the bottom surface of the top foam layer and the protrusions of the bottom surface of the top foam layer protrude into the recessions of the top surface of the bottom foam layer. The most protruded surfaces of the protrusions of the bottom foam layer are separated from corresponding surfaces of the recessions of the top surface of the bottom foam layer by a channel but there is no channel between most protruded surfaces of the top surface of the bottom foam layer and corresponding surfaces of the top foam layer.

No. of Pages : 27 No. of Claims : 8

(21) Application No.103/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :17/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD TO DETERMINE DNA MISMATCH REPAIR FUNCTION

(51) International classification	:C12Q1/68	(71)Name of Applicant :
(31) Priority Document No	:20115709	1)HELSINGIN YLIOPISTO
(32) Priority Date	:01/07/2011	Address of Applicant : Yliopistonkatu 4 FI 00014 Helsingin
(33) Name of priority country	:Finland	yliopisto Finland
(86) International Application No	:PCT/EP2012/062708	(72)Name of Inventor :
Filing Date	:29/06/2012	1)NYSTR–M Minna
(87) International Publication No	:WO 2013/004618	2)KANSIKAS Minttu
(61) Patent of Addition to Application	:NA	3)PELTOM,,KI Pivi
Number	:NA	
Filing Date	.1174	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

This invention relates to a quantitative method for determining whether a human subject has an impaired DNA mismatch repair function; providing a diagnostic sample taken from said human and producing a nuclear extract from said sample; providing MMR proficient and MMR deficient nuclear extracts as positive and negative controls respectively; combining each nuclear extract with at least one mismatch bearing substrate DNA molecule; performing a mismatch repair assay; and determining whether said sample nuclear extract is capable of repairing said substrate DNA molecule; wherein said sample comprises normal non malignant constitutive cells such as fibroblasts. The invention further relates to a kit providing necessary reagents for use in said method.

No. of Pages : 41 No. of Claims : 25

(21) Application No.11/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :03/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : GUIDING ELEMENT IN A CLAMPING ASSEMBLY OF A COMBING MACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:D01G19/16 :954/11 :06/06/2011 :Switzerland :PCT/CH2012/000118 :25/05/2012 :WO 2012/167389 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)MASCHINENFABRIK RIETER AG Address of Applicant :Klosterstrasse 20 CH 8406 Winterthur Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)BOMMER Daniel</li> <li>2)PEREZ David</li> </ul>
Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The invention relates to a clamping assembly (1) of a combing machine comprising a lower clamping plate (12) which can form a clamping point (KO KU) in the region of the lower clamping plate clamping lip (30) together with an upper clamping plate (14) that is movably mounted in the clamping assembly comprising a feed roller (27) that is rotatably attached within the clamping assembly (1) above the lower clamping plate (12) wherein at least one detaching roller (24a 24b 22) that is mounted in the machine frame (MS) for forming a detaching clamping line (K K1) is arranged downstream of the clamping assembly (1) and comprising a connecting piece (32) which is fixed between the feed roller (27) and the clamping lip (30) on the lower clamping plate (12) in a removable manner and which is oriented transverse to the conveying direction (F) of the fiber mass (W). A rotatably mounted circular comb (4 4A) is arranged below the lower clamping plate (12) in order to comb out fiber tufts (FB). The aim of the invention is to design the connecting piece such that the connecting piece can be mounted and removed quickly and without special aids and such that an optimal contact to the lower clamping plate is ensured along the entire length of the connecting piece. This is achieved in that the connecting piece (32) has magnetic means (50) in the region of the connecting piece contact surface (SU) that faces a contact surface AF of a lower clamping plate (12) consisting at least partially of ferromagnetic material and means (54 60) are provided in the region of the two ends of the connecting piece (32) said connecting piece being fixed on the lower clamping plate (12) on the contact surface (AF) plane in a formfitting manner via said means.

No. of Pages : 24 No. of Claims : 11

(21) Application No.110/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :20/01/2014

(43) Publication Date : 21/11/2014

### (54) Title of the invention : CARRIER BASED NANOGEL FORMULATION FOR SKIN TARGETING.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:A61K9/127,A61K47/32 :1790/MUM/2011 :20/06/2011 :India :PCT/IN2012/000130 :24/02/2012 :WO 2012/176212 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)V.B. MEDICARE PVT. LTD. Address of Applicant :141 Walchand Hirachand Marg Mumbai 400001 Maharashtra India</li> <li>(72)Name of Inventor :</li> <li>1)KALA Narayana</li> <li>2)SUNDEEP Aurora</li> </ul>
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention comprises a lipid nano carrier based nanogel formulation of an active ingredient and method of their preparation. The formulation is specifically useful for dermal delivery or topical application of drugs which may be a hydrophilic drug including 5 fluorouracil (5 FU) and acyclovir or a hydrophobic drug such as isotretinoin. The invention is illustrated by a lipid nano carrier based nanogel formulation comprising 5 FU in a concentration of 0.001% to 10% w/w. A method of preparing lipid nano carrier based nanogel formulation of an active ingredient comprises the steps of: preparation of drug loaded vesicular lipid carrier dispersion wherein the surface of vesicles of the lipid carrier contains a surfactant probe sonicating the drug loaded vesicular lipid carrier dispersion of step (a.) to prepare a lipid nano carrier dispersion in nanometric size range concentrating the lipid nano carrier dispersion or (ii) freeze drying with or without a cryoproetctant preparation of hydrophilic gel; and mixing of lipid nano carrier dispersion of step (c.) with hydrophilic gel of step (b) to form a lipid nano carrier based nanogel formulation.

No. of Pages : 54 No. of Claims : 37

(21) Application No.105/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :17/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : MEASURING DEVICE MEASUREMENT METHOD AND PROGRAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(2011-178875</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(34) Name of priority country</li> <li>(35) International Application</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	1)MITSUBISHI HEAVY INDUSTRIES LTD. Address of Applicant :16 5 Konan 2 chome Minato ku Tokyo 1088215 Japan (72)Name of Inventor :
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(57) Abstract :

The present invention relates to a measuring device is provided with: a distance-measuring unit for emitting laser light from a reference position toward a plurality of points on a road surface and measuring the distance from the reference position to a reflection point on the basis of the reflected light; a storage unit for storing road-surface-height information which indicates the relationship between a point on the road surface and the distance from the reference position to the point; a road-surface-height-specifying unit for specifying the road surface height at each of the reflection points on the basis of the reflection; and a height-calculation unit for calculating the length from the road surface to the reflection point on the basis of each distance calculated by the distance-measuring unit and the road surface height specified by the road-surface-height-specifying unit.

No. of Pages : 35 No. of Claims : 9

(21) Application No.112/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :20/01/2014

#### (43) Publication Date : 21/11/2014

## (54) Title of the invention : DEVICE AND METHOD FOR CONTROLLING THE FUEL AIR RATIO IN THE COMBUSTION OF GROUND COAL IN A FIRING SYSTEM OF A COAL FIRED POWER STATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> </ul>	:11/07/2012 :WO 2013/007239	<ul> <li>(71)Name of Applicant :</li> <li>1)PROMECON PROZESS UND MESSTECHNIK</li> <li>CONRADS GMBH <ul> <li>Address of Applicant :Steinfeldstr. 5 39179 Barleben</li> </ul> </li> <li>Germany.</li> <li>(72)Name of Inventor : <ul> <li>1)CONRADS Hans Georg</li> <li>2)HALM Alexander</li> </ul> </li> </ul>
Application Number Filing Date	:NA :NA	2)HALM Alexander 3)BOHM Martin
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The invention relates to a device and to a method for controlling the fuel air ratio in the combustion of ground coal in a firing system of a coal fired power station which comprises means for pneumatically conveying the ground coal to the burners (16) of the firing system of a coal fired power station and means for supplying air for combustion to the burners (16) or into the furnace (15) of the firing system of a coal fired power station and in which the quantity of air for combustion and the quantity of carrier air are controlled. The aim of the invention is high reliability of the control of the fuel air ratio wherein the measurement of the quantity of air for combustion and the measurement of the quantity of carrier air are carried out according to the correlation measurement method by evaluating electrical signals obtained by means of sensors (11) arranged in the air stream. According to the invention said aim is achieved by a measuring device for measuring the quantity of air said device comprising a correlation measurement device (12) that evaluates signals generated by electrostatic induction on two sensors (11) arranged one after the other in the air stream in the air flow direction (s). An electrode (10) having an electrode contour which has an average radius (r) with 0.1 mm = r = 1.2 mm is arranged in the flow direction (s) of the air in front of the sensors (11) at a distance (I) that is larger than 1 x the inner width of the flow cross section of the conduit conveying the air and smaller than 10 x the inner width of the flow cross section of the conduit conveying the air in the region of the sensors (11) in the flow cross section of the conduit conveying the air. The counter electrode (13 25) which acts electrically with respect to the electrode (10) is arranged in the flow direction (s) of the air between the electrode (10) and the sensors (11) and the electrode (10) and the counter electrode (13 25) are connected to the poles of a high voltage source (9) having a voltage (U) of 12 kV = U = 20 kV. The electrode (10) and the counter electrode (13 25) are connected to the high voltage source (9) in particular only during the starting phase of the firing system of a coal fired power station or at air flow rates < 10 m/s or for checking purposes.

No. of Pages : 35 No. of Claims : 16

(21) Application No.106/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :17/01/2014

(43) Publication Date : 21/11/2014

#### (51) International classification :H04M1/21 (71)Name of Applicant : (31) Priority Document No :2011126013 1)ELIN Vladimir Aleksandrovich (32) Priority Date :24/06/2011 Address of Applicant :1 Neopalimovsky pereulok 15/7 suite 7 (33) Name of priority country Moscow 119121 RUSSIA :Russia (86) International Application No :PCT/RU2011/000486 (72)Name of Inventor : 1)ELIN Vladimir Aleksandrovich Filing Date :05/07/2011 (87) International Publication No :WO 2012/177167 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date

(54) Title of the invention : MOBILE RADIO UNIT WITH A DOSIMETER RADIOMETER

:NA

#### (57) Abstract :

The mobile radio unit (a cell phone a mobile phone a smartphone) comprises a body 16 with an incorporated processor 1. The processor 1 is connected with a memory unit 2 a display unit 3 audible alarm aids 4 a keyboard 5 a power unit 6 a GPS and GLONAS system 9 navigator and a transceiver 15. The mobile RF unit is equipped with a semiconductor radiation detector 8 an operational electronic amplifier 7 and a processor connected interface unit 10 with all of the above devices interconnected in series. The detector 8 provides for a possibility of measuring alpha beta gamma and neutron emissions as well as solar radiation levels. The processor 1 is provided with a software which ensures both communication functions and control data accumulation and warning of admissible limit and inadmissible exposure levels measuring background radiation building diagrams illustrating state of human organs and systems depending on the accumulated radiation dose working out preventive recommendations depending on the accumulated radiation dose as well as visualizing respective information graphic table and text messages on display unit 3. The processor 1 is provided with a software for generating visual or audible alarms via corresponding alarm aids 4 on admissible limit and inadmissible radiation levels over hourly weekly monthly yearly intervals. The keyboard 5 comprises additional keys (not shown) for dosimeter and/or radiometer mode control. The detector unit 8 the interface unit 10 and the amplifier 7 can be placed in the mobile RF unit body 16 or in a separate detachable unit. Thus there was constructed an efficient mobile RF unit which ensures an extended functionality and amplifies the range of mobile RF units (radio units) available.

No. of Pages : 13 No. of Claims : 7

(21) Application No.14/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :03/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : OBJECT TRACKING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:G01S3/786,G06T7/20 :213506 :13/06/2011 :Israel :PCT/IL2012/050202 :12/06/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)ISRAEL AEROSPACE INDUSTRIES LTD. Address of Applicant :Ben Gurion International Airport 70100 Lod Israel</li> <li>(72)Name of Inventor :</li> <li>1)TYOMKIN Alexander</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:WO 2012/172550 :NA :NA :NA :NA	2)ORNSTEIN Itzhak S. 3)GREIDINGER Zvi 4)YESHURUN Yacov 5)SHUMACHER Yoel

(57) Abstract :

The disclosure describes examples of systems, methods, program storage devices, and computer program products for tracking an object, where a reference image of the tracked object is outputted to an operator.

No. of Pages : 51 No. of Claims : 33

(21) Application No.140/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :22/01/2014

(43) Publication Date : 21/11/2014

### (54) Title of the invention : WIND POWER GENERATION DEVICE

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:20/08/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)NIDEC CORPORATION <ul> <li>Address of Applicant :338 Kuzetonoshiro cho Minami ku</li> </ul> </li> <li>Kyoto shi Kyoto 6018205 Japan</li> <li>(72)Name of Inventor : <ul> <li>1)MOCHIZUKI Yuichi</li> <li>2)SERIZAWA Kazuhiko</li> <li>3)YAMADA Masahiro</li> <li>4)NODA Manabu</li> <li>5)FUJITA Atsushi</li> <li>6)KAJI Nobufuji</li> </ul> </li> </ul>
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#### (57) Abstract :

A wind power generation device comprises: a wind mill; a power generation unit for generating power by the rotation of the wind mill; a charging converter for converting the power generated by the power generation unit to power for charging a battery; a converter control unit for controlling the charging converter; a power supplying unit for supplying power to the converter control unit; and a control unit power supply switching unit for when the voltage of the power generated by the power generation unit exceeds a control unit activation voltage activating the converter control unit by supplying power to the converter control unit from the power supplying unit.

No. of Pages : 70 No. of Claims : 24

(21) Application No.148/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :23/01/2014

(54) Title of the invention : SCALPEL BLADE SAFETY ACCESSORY

(43) Publication Date : 21/11/2014

#### (51) International classification :A61B17/3213 (71)Name of Applicant : (31) Priority Document No :2011/06969 1)MEDI SAFE SURGICALS (PTY) LTD (32) Priority Date :23/09/2011 Address of Applicant :9 Kinross Street Germiston South 1401 (33) Name of priority country :South Africa Gauteng Province South Africa (86) International Application No :PCT/IB2012/053631 (72)Name of Inventor : 1)MILTON Trevor John Filing Date :16/07/2012 (87) International Publication No :WO 2013/041982 2)NIEUWENHUIZEN Norman Anthony (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract :

A scalpel blade accessory and cartridge are provided wherein a tubular guard (3) is slidable over the scalpel blade carrier (2) between a retracted position in which the blade carrier is positioned to expose any scalpel blade (4) associated with it for use and an extended position in which the guard covers the blade carrier and any blade thereon. The scalpel blade is of a standard type having a mounting slot for attachment to a lug (7) on a standard scalpel handle (5) for use. The scalpel blade carrier has an alignment face (12) for cooperation with a side face of a blade and at least one opening (13) providing access through the alignment face to a position corresponding to that in which the mounting slot (8 9) of any scalpel blade is to be located in use. The blade carrier has a bridge (21) spanning the alignment face so as to provide space for a scalpel blade between the alignment face and bridge. The bridge supports a blade catch (22) that cooperates with a rear end of the mounting slot to hold a relevant scalpel blade captive. The blade catch is disengagable by assembling it onto a standard handle in use.

No. of Pages : 29 No. of Claims : 14

(21) Application No.111/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :20/01/2014

(43) Publication Date : 21/11/2014

### (54) Title of the invention : EMERGENCY STOP DEVICE WITH ATTACHED HAND BRAKE SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:B66B5/02,B66B5/18 :10-2011-0080679 :12/08/2011 :Republic of Korea :PCT/KR2012/005264 :03/07/2012 :WO 2013/024969 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)GUMYOUNG GENERAL CO. LTD. Address of Applicant :57 25 Nonhyeon dong Gangnam gu Seoul 135 010 REPUBLIC OF KOREA.</li> <li>(72)Name of Inventor :</li> <li>1)LEE Gum Gee</li> </ul>
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(57) Abstract :

Disclosed is an emergency stop device with an attached hand brake system. The emergency stop device with the attached hand brake system comprises: brake units which are equipped on both sides of a car and control the movements of the car by selectively interfering with guide rails; an operation unit which is connected with the brake units and manually grants braking power to the braking units; and an interlocking unit which interlocks the brake units.

No. of Pages : 26 No. of Claims : 8

(21) Application No.118/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :20/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : POLYURETHANE YARN AS WELL AS FABRIC AND SWIMWEAR USING SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:D01F6/94,A41D7/00,D02G3/02 :2011-139040 :23/06/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)TORAY OPELONTEX CO. Ltd. Address of Applicant :1 1 Nihonbashi Honcho 1 chome Chuo</li> </ul>
(33) Name of priority country	:Japan	ku Tokyo 1030023 Japan
(86) International Application N	o:PCT/JP2012/064957	(72)Name of Inventor :
Filing Date	:12/06/2012	1)SUZUKI Katsuya
(87) International Publication No.	o :WO 2012/176648	2)TANAKA Toshihiro
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

In order to provide a polyurethane yarn having exceptional performance in terms of resistance to chlorine embrittlement essentially without the use of zinc which is a heavy metal and having advantageous application particularly in swimwear; as well as a fabric and article of swimwear using the polyurethane yarn the present invention is a polyurethane yarn characterized in containing a partially hindered phenol compound having at least one partially hindered hydroxyphenyl group and a molecular weight of 300 or more and a synthetic carbonate comprising one metal selected from the group consisting of alkali metals and alkaline earth metals. The polyurethane yarn and other fibers are combined to yield a fabric and article of swimwear.

No. of Pages : 25 No. of Claims : 8

(21) Application No.145/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :23/01/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : COMPLEX ZINC AND ALPHA CHLOROCARBOXYLIC ACID COMPOUNDS FOR TREATING SKIN LESIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> <li>(87) International</li> </ul> </li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:A61K31/19,A61P17/00,A61K31/315 :2011132922 :05/08/2011 :Russia :PCT/RU2011/000896 :14/11/2011 :WO 2013/022369 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>DOBSCHESTVO S OGRANITCHENNOI</li> <li>OTVETSTVENNOSTJU OXYGON</li> <li>Address of Applicant :ul. B. Gruzinskaya 32 34/1 Moscow</li> </ol> </li> <li>(72)Name of Inventor : <ol> <li>MARDI Shalva Iosifovitch</li> <li>USTYNYUK Lev Alexandrovich</li> </ol> </li> </ul>
(57) Alextra et :		

(57) Abstract :

The invention relates to the field of medicine and specifically to preparations for treating skin lesions in particular viral benign precancerous and cancerous non metastasizing dysplastic and inflammatory lesions of the visible mucous membranes and also viral and fungal skin and nail lesions and for correcting wrinkles and senile pigment blemishes said preparations comprising solutions of complex compounds of salts of zinc and alpha chlorocarboxylic acids of general formula [Zn(RCHClCOOH) (O)]2 [RCH Cl] where R = alkyl or Cl = 1.2 and n = 0.4 in a corresponding alpha chlorocarboxylic acid wherein the content of zinc in the solution is 0.25 10.0% and the content of acid is 10 90%. The preparation may additionally contain an additive perfume for example an ethyl ester of the corresponding alpha chlorocarboxylic acid. The treatment method consists in that 2.5 doses of the preparation which has been precooled to 10 15° are applied to the affected skin portion with a delay of 1.3 mins between the first and subsequent applications of the preparation. The preparations are stable on storage.

No. of Pages : 17 No. of Claims : 9

(21) Application No.154/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :24/01/2014

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METHOD AND APPARATUS FOR CODING VIDEO AND METHOD AND APPARATUS FOR DECODING VIDEO ACCOMPANIED BY INTER PREDICTION USING COLLOCATED IMAGE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> </ul>	:H04N7/32,H04N7/36 :61/504177 :02/07/2011 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)SAMSUNG ELECTRONICS CO. LTD. Address of Applicant :129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 REPUBLIC OF KOREA.</li> </ul>
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>		(72)Name of Inventor : 1)KIM II Koo
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA	
Filing Date	:NA	

(57) Abstract :

The present invention suggests a method for inter prediction comprising the steps of: deciding a collocated block with respect to a current block of a current image from blocks of an image which is recovered prior to the current image; deciding one collocated reference list by preliminarily confirming whether a first reference list is referenced from reference lists of the collocated block and then selectively confirming whether a second reference list is referenced according to whether the first reference list is referenced; and performing inter prediction with respect to the current block by using a reference block of the current block which is decided according to movement information of the collocated reference list.

No. of Pages : 63 No. of Claims : 15

(21) Application No.119/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :20/01/2014

(43) Publication Date : 21/11/2014

(54) Title of the invention : BINDING A REMOVABLE MODULE TO AN ACCESS TERMINAL		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:H04L29/06,H04W12/06 :61/521642 :09/08/2011 :U.S.A. :PCT/US2012/050158 :09/08/2012 :WO 2013/023065 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM Incorporated Address of Applicant :Attn: International IP Administration</li> <li>5775 Morehouse Drive San Diego California 92121 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)BERIONNE Michele</li> <li>2)ROSENBERG Brian M.</li> </ul>

(57) Abstract :

The described apparatus and methods may include a processor a memory in communication with the processor a removable module in communication with the processor and operable to store data an initialization component executable by the processor and configured to initialize the removable module and an authentication component executable by the processor and configured to: receive a command from the removable module to perform an authentication operation where in the command is a standard message having a command qualifier value or code that represents an authentication challenge; obtain a random value from the removable module in response to the command; calculate a response based on the random value and a terminal key stored in the memory; and transmit the response to the removable module. The removable module 104 may be a removable identification (ID) chip a Universal Integrated Circuit Card (UICC) a User Identity Module (UIM) a Removable UIM (R UIM) a CDMA Subscriber Identity Module (CSIM) a Subscriber Identity Module (SIM) a Universal Subscriber Identity Module (USIM)

No. of Pages : 37 No. of Claims : 38

(21) Application No.147/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :23/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD FOR EVALUATING BACTERIAL CELL WALL INTEGRITY

(51) International classification	:C12Q1/18,C12Q1/06,C12Q1/68	(71)Name of Applicant :
(31) Priority Document No	:P201131276	1)UNIVERSIDAD AUTNOMA DE MADRID
(32) Priority Date	:26/07/2011	Address of Applicant : Ciudad Universitaria de Cantoblanco C/
(33) Name of priority country	:Spain	Einstein 3 E 28049 Madrid Spain
(86) International Application N	o:PCT/ES2012/070575	(72)Name of Inventor :
Filing Date	:26/07/2012	1)FERN NDEZ GARC A Jos Luis
(87) International Publication No.	D:WO 2013/014324	2)GOS LVEZ BERENGUER Jaime
(61) Patent of Addition to	:NA	3)BOU AR‰VALO Germ;n
Application Number	:NA	4)TAMAYO NOVAS Mara
Filing Date	.NA	5)SANTISO BRANDARIZ Rebeca
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.11/A	

(57) Abstract :

The invention relates to a method for evaluating the integrity of the cell wall of bacteria in a culture in the presence of an antibiotic acting on the bacterial cell wall which from a practical point of view can be used quickly to determine if a bacterium is sensitive or resistant to an antibiotic acting on the bacterial cell wall. The invention also relates to a lysis solution for use in the aforementioned method which solution specifically affects bacteria having a cell wall that has been damaged by the action of an antibiotic acting on the bacterial cell wall thereby allowing bacteria sensitive to the antibiotic to be distinguished from those resistant to said antibiotic.

No. of Pages : 83 No. of Claims : 33

(21) Application No.155/MUMNP/2014 A

#### (19) INDIA

#### (22) Date of filing of Application :24/01/2014

(43) Publication Date : 21/11/2014

(54) Title of the invention : COUNTER TRACK JOINT				
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F16D3/223 :NA :NA :NA :PCT/EP2011/064845 :29/08/2011 :WO 2013/029655 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)GKN DRIVELINE INTERNATIONAL GMBH Address of Applicant :Hauptstrae 130 53797 Lohmar Germany.</li> <li>(72)Name of Inventor :</li> <li>1)GREMMELMAIER Anna</li> <li>2)HASSENRIK Ida</li> <li>3)POST Hans J¼rgen</li> <li>4)WECKERLING Thomas</li> </ul>		

(57) Abstract :

A counter track joint comprising: an outer joint part 12 with first outer ball tracks 22A and second outer ball tracks 22B an inner joint part 13 with first inner ball tracks 23A and second inner ball tracks 23B wherein the first outer ball tracks 22A and the first inner ball tracks 23A together form first pairs of tracks which when the counter track joint is in an aligned position widen towards the aperture end of the outer joint part 12 and each accommodate the first torque transmitting balls 14A wherein the second outer ball tracks 22B and the second inner ball tracks 23B together form second pairs of tracks which when the counter track joint is in the aligned position widen towards the attaching end of the outer joint part 12 and which each accommodate second torque transmitting balls 14B wherein the centres of the balls 14A of the first pairs of tracks 22A 23A each define a first track centre line A wherein the first track centre line A in the direction from the central joint plane EM towards the attaching end at least by a partial portion A2 extends radially inside a first reference arc CRA.

No. of Pages : 49 No. of Claims : 20

(21) Application No.117/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :20/01/2014

(43) Publication Date : 21/11/2014

### (54) Title of the invention : LIFTING DOOR HAVING A MOVABLE DOOR LEAF GUIDE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:10 2011 052 304.9 :29/07/2011 :Germany :PCT/EP2012/003043 :19/07/2012 :WO 2013/017209	<ul> <li>(71)Name of Applicant :</li> <li>1)EFAFLEX INÅ<sup>1</sup>/<sub>2</sub>ENIRING D.O.O. LJUBLJANA Address of Applicant :Devova ulica 5 1000 Ljubljana SLOVENIA.</li> <li>(72)Name of Inventor :</li> <li>1)LETONJE Jure</li> <li>2)KZMIC Janez</li> <li>3)MAZEJ Andrej</li> </ul>
(87) International Publication No		2)KZMIC Janez
Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The invention relates to a lifting door (1) comprising a movable door leaf (6) made of slats (61) the slats being connected to one another so as to bend and comprising structure mounted frames (2). Lateral guides (3) for the door leaf (6) having a vertical section (32) and a lintel section (31) and frame sealing elements (51) of a sealing assembly (5) are arranged on thereon which close a gap between the door leaf (6) and a section of the frames (2) facing the door opening when the lifting door (1) is closed. The lintel sections (31) of the guides (3) together with the vertical sections (32) of the guides (3) are adjustably mounted on the frames (2) wherein the guides (3) can only be adjusted in a direction that is diagonal to the door leaf plane but not in a moving direction of the door leaf (6). Thus an improved lifting door (1) having greater operational safety and at the same time an improved sealing effect between the door leaf (6) and the door opening can be achieved.

No. of Pages : 36 No. of Claims : 10

(21) Application No.130/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :21/01/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : TIME TEMPERATURE INDICATOR AND MONITORING METHOD FOR MONITORING QUALITY STATE OF THERMALLY SENSITIVE ARTICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G01K11/12,B32B33/00,G01N31/00 :201110178976.4 :29/06/2011 :China :PCT/CN2012/077568 :26/06/2012 <sup>1</sup> :WO 2013/000401 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SUZHOU HUASHI MATERIAL TECHNOLOGIES CO.</li> <li>LTD <ul> <li>Address of Applicant :58 Jianmin Road Dongqiao Huangdai</li> <li>Town Xiangcheng District Suzhou City Jiangsu 215152 CHINA.</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)DENG Zongwu</li> <li>2)YING Xiaofang</li> <li>3)SHI Xiaoju</li> </ul> </li> </ul>
Filing Date		

(57) Abstract :

A time temperature indicator and a monitoring method for monitoring the quality state of a thermally sensitive article the time temperature indicator comprising two physically separated layers one being superposed over the other and one of which is an indication functional layer (1) and the other an adsorption functional layer (2). The two layers are stored and transported separately but used in combination. The time temperature indicator of the present invention can thus be stored and transported at room temperature which reduces the usage costs of said indicator.

No. of Pages : 77 No. of Claims : 44

(21) Application No.137/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :22/01/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD AND APPARATUS FOR TRANSPORT OF DYNAMIC ADAPTIVE STREAMING OVER HTTP (DASH) INITIALIZATION SEGMENT DESCRIPTION FRAGMENTS AS USER SERVICE DESCRIPTION FRAGMENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:H04L12/18,H04L29/06 :61/513992 :01/08/2011 :U.S.A. :PCT/US2012/049228 :01/08/2012 :WO 2013/019903 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :Attn: International Ip Administration 5775 Morehouse Drive San Diego CA 92121 1714 U.S.A. (72)Name of Inventor : 1)PAZOS Carlos M. D. 2)NAIK Nagaraju 3)LO Charles Nung 4)STOCKHAMMER Thomas</li></ul>
Number Filing Date	:NA	4)STOCKHAMMER Thomas
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A method an apparatus and a computer program product for wireless communication are provided. The apparatus establishes a file delivery session (910) with a server in a broadcast network for system information. The apparatus also receives a plurality of metadata fragments (912a 912d 914a 914d) in the file delivery session. The plurality of metadata fragments including at least one initialization segment description fragment (912d 914d) wherein the at least one initialization segment description fragment is associated with at least one media segment (942a 942g 962a 962g) transmitted in another file delivery session (940 960).

No. of Pages : 69 No. of Claims : 63

(21) Application No.157/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :24/01/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : NOVEL GENE INDUCING ELONGATION OF ROOTS OR INCREASING BIOMASS AND USE THEREFOR

(51) International classification (31) Priority Document No	:C12N15/09,A01H1/00,A01H5/00 :2011-162036	(71)Name of Applicant : 1)NATIONAL UNIVERSITY CORPORATION NARA
(32) Priority Date	:25/07/2011	INSTITUTE OF SCIENCE AND TECHNOLOGY
<ul><li>(33) Name of priority country</li><li>(86) International Application</li></ul>	:Japan	Address of Applicant :8916 5 Takayama cho Ikoma shi Nara 6300192 Japan
No Filing Date	:PCT/JP2012/068729 :24/07/2012	2)THE REPUBLIC OF BOTSWANA (72)Name of Inventor :
(87) International Publication No	:WO 2013/015287	1)KAJIKAWA Masataka 2)YOKOTA Akiho
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)AKASHI Kinya 4)MAPHANYANE Seja Gasenone 5)MOSUPI Pharoah
(62) Divisional to Application Number Filing Date	:NA :NA	6)CHITE Stephen Majara 7)KATO Norio

(57) Abstract :

Elongation of roots of plants can be accelerated and biomass can be increased by increasing the expression in plants of a gene etc. that codes a protein comprising an amino acid sequence described in sequence number 1.

No. of Pages : 114 No. of Claims : 19

(21) Application No.109/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :18/01/2014

(43) Publication Date : 21/11/2014

#### :G06Q50/10,G05B23/00 (71)Name of Applicant : (51) International classification :61/545394 1)PROGRESSIVE COMPONENTS INTERNATIONAL (31) Priority Document No (32) Priority Date :10/10/2011 CORPORATION (33) Name of priority country :U.S.A. Address of Applicant :235 Industrial Drive Wauconda IL 60084 U.S.A. (86) International Application No :PCT/US2012/059570 Filing Date :10/10/2012 (72)Name of Inventor : (87) International Publication No :WO 2013/055801 1)STARKEY Glenn (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : SYSTEM AND METHOD FOR MONITORING TOOLING ACTIVITIES

(57) Abstract :

An apparatus or system and method or process for displaying tool or die data or other tool or processing information on a display window of a webpage. A method for displaying tool data from a reciprocating tool includes positioning a monitor with respect to the reciprocating tool and the monitor recording data from the reciprocating tool. The data is communicated and then stored in a remote data storage location as stored tool data. The stored tool data is processed and then displayed for example in the window of the webpage.

No. of Pages : 38 No. of Claims : 18

(21) Application No.136/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :22/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ENDLESS CABLE WINCH (51) International classification :B66D1/58,B66D1/74 (71)Name of Applicant : :10 2011 106 635.0 (31) Priority Document No **1)TRACTEL GREIFZUG GMBH** (32) Priority Date :04/07/2011 Address of Applicant :Scheidtbachstrae 19 21 51469 Bergisch (33) Name of priority country :Germany Gladbach Germany :PCT/EP2012/062841 (72)Name of Inventor : (86) International Application No **1)ROTTLAENDER Thomas** Filing Date :02/07/2012 (87) International Publication No :WO 2013/004663 2)OTT Klaus Dieter (61) Patent of Addition to Application 3)GSELL Juergen :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Endless cable winch having a working cable (28) having a housing (54) in which is mounted a driving cable pulley (58) around at least a part of which the working cable (28) is wrapped and having a drive (24) for driving the driving cable pulley (58) wherein the housing is mounted so as to be pivotable about a pivot axis (12) and a sensor (13) is provided for detecting a pivoting movement of the housing (54) in order to identify an overload state of the working cable (28).

No. of Pages : 19 No. of Claims : 15

#### (21) Application No.152/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :24/01/2014

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : FOLDABLE ULTRA LIGHTWEIGHT TRICYCLE HAVING AN ELECTRIC MOTOR

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> </ul>	:B62K3/00,B62K15/00,B62K5/05 :10/02863 :07/07/2010 :France :PCT/FR2011/000400 :07/07/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)PARIENTI Raoul Address of Applicant :92 boulevard de Cimiez F 06000 Nice France</li> <li>(72)Name of Inventor :</li> <li>1)PARIENTI Raoul</li> </ul>
(87) International Publication No	:WO 2012/004477	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The invention relates to an ultra lightweight tricycle driven by an electric motor and including a chassis (15) provided with two wheels at the front and with one drive wheel (9) at the rear an electric motor for driving the drive wheel and a steering bar (3) including a steering wheel (4) moved by a user so as to control the direction and/or the speed of the tricycle the tricycle being arranged so as to go from an unfolded configuration enabling the user positioned on the chassis to drive the tricycle to a folded configuration enabling the user to grip the steering wheel to roll tricycle on the two front wheels while keeping the rear wheel spaced apart from the ground. The tricycle includes a tachymeter and a control unit for slowing/braking said control unit being connected to the tachymeter and adapted to control the conversion of the motor into a generator of electrical power supplied to a battery.

No. of Pages : 18 No. of Claims : 10

#### (19) INDIA

(22) Date of filing of Application :18/01/2013

(21) Application No.177/MUM/2013 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : POWER SUPPLY DEVICE FOR WELDING (51) International classification :B23K 9/00 (71)Name of Applicant : :2012-**1)DAIHEN CORPORATION** (31) Priority Document No 010468 Address of Applicant :2-1-11, TAGAWA, YODOGAWA KU, (32) Priority Date :20/01/2012 OSAKA-SHI, OSAKA 532-8512 Japan (72)Name of Inventor : (33) Name of priority country :Japan **1)SATORU HATA** (86) International Application No :NA 2)TETSUO ERA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract :

There is provided a power supply device for welding. First detection means detects an output current and an output voltage to be output from an output terminal of the power supply device. Second detection means detects a secondary-side internal voltage of a transformer of the power supply device. Storing means stores an external resistance value and an external inductance value between the output terminal and an electrode of a welding apparatus, and also stores an internal resistance value and an internal inductance value from a measuring point of the second detection means to the output terminal. Output voltage calculation means calculates a tip voltage and back calculates an output voltage from the calculated tip voltage. Determination means compares the back calculated output voltage with the detected output voltage to determine whether the external resistance and inductance values stored in the storing means are within a permitted range.

No. of Pages : 22 No. of Claims : 7

(21) Application No.101/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :17/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : PHARMACEUTICAL COMPOSITION COMPRISING A TRPA1 ANTAGONIST AND A BETA 2 AGONIST

classification:A61K31/135,A61K31/137,A61K31/3051)G(31) Priority Document:1811/MUM/2011AacNo:1811/MUM/2011Chaux(32) Priority Date:22/06/2011(72)N(33) Name of priority:India1)Kcountry:India2)K(86) International:PCT/IB2012/0531313)WApplication No:21/06/20124)K	<ul> <li>1)Name of Applicant :</li> <li>1)GLENMARK PHARMACEUTICALS SA Address of Applicant :Chemin de la Combeta 5 2300 La naux de Fonds Switzerland</li> <li>2)Name of Inventor :</li> <li>1)KHAIRATKAR JOSHI Neelima</li> <li>2)KULKARNI Abhay</li> <li>3)WALE Dinesh Pradeep</li> <li>4)KADAM Anil Hari</li> <li>5)VAIYAPURI Thamil Selvan</li> </ul>
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(57) Abstract :

The present patent application relates to a pharmaceutical composition comprising a transient receptor potential ankyrin 1 receptor (TRPA1) antagonist and a beta 2 adrenergic receptor agonist (beta 2 agonist).

No. of Pages : 65 No. of Claims : 35

(21) Application No.107/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :17/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD FOR IMPROVEMENT OF CASTING QUALITY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)S &amp; B INDUSTRIAL MINERALS NORTH AMERICA,</li> <li>INC.</li> <li>Address of Applicant :920 CASSATT ROAD, SUITE 205,</li> <li>BERWYN, PA 19312, U.S.A.</li> </ul>
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:18/06/2012 :WO 2012/177545 :NA :NA :NA :NA	<ul> <li>(72)Name of Inventor :</li> <li>1)LaFAY Victor S.</li> <li>2)PINE Mark</li> <li>3)GREFHORST Cornelis</li> </ul>

### (57) Abstract :

Systems and methods for improved molding sand performance through use of recovered additives from the existing waste stream in a foundry. Sand clay and carbon containing organic components are wet recovered from a green sand mold foundry dust recovery system. The sand and non sand fractions may be further treated to reduce water content or adjust the levels of various components to generate a pre mix additive for the generation of new green sand molds that may display improved properties at ambient and high temperatures when compared to commonly employed traditional pre mix. In some examples pre mixes having reduced sulfur content are obtained. In several embodiments the non sand fraction obtained from bag house dust or dust from mechanical reclamation includes increased levels of bentonite claim and carbon.

No. of Pages : 20 No. of Claims : 16

(21) Application No.114/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :20/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : DARUNAVIR FORMULATIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:A61K9/16,A61K9/20,A61K31/34 :11173066.9 :07/07/2011 :EPO :PCT/EP2012/063242 :06/07/2012 :WO 2013/004816	<ul> <li>(71)Name of Applicant :</li> <li>1)JANSSEN R&amp;D IRELAND Address of Applicant :Eastgate Village Eastgate Little Island Co Cork Ireland.</li> <li>(72)Name of Inventor :</li> <li>1)DELAET Urbain Alfons C</li> <li>2)HEYNS Philip Erna H</li> <li>3)JANS Eugeen Maria Jozef</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

This invention relates to solid oral dosage forms of the HIV inhibitor darunavir and/or a pharmaceutically acceptable salt or solvate thereof and combination formulations thereof.

No. of Pages : 22 No. of Claims : 13

(21) Application No.2169/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :20/11/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : BIT ALLOCATING AUDIO ENCODING AND DECODING

(51) International classification (31) Priority Document No	:61/485741	(71)Name of Applicant : 1)SAMSUNG ELECTRONICS CO. LTD.
(32) Priority Date	:13/05/2011	Address of Applicant :129 Samsung ro Yeongtong gu Suwon
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:U.S.A. :PCT/KR2012/003777	si Gyeonggi do 443 742 REPUBLIC OF KOREA. (72) <b>Name of Inventor :</b>
Filing Date	:14/05/2012	1)KIM Mi young
(87) International Publication No	:WO 2012/157932	2)POROV Anton
(61) Patent of Addition to Application	:NA	3)OH Eun mi
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A bit allocating method is provided that includes determining the allocated number of bits in decimal point units based on each frequency band so that a Signal to Noise Ratio (SNR) of a spectrum existing in a predetermined frequency band is maximized within a range of the allowable number of bits for a given frame; and adjusting the allocated number of bits based on each frequency band.

No. of Pages : 47 No. of Claims : 28

(21) Application No.217/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :03/02/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : ANTIBODIES BINDING TO PHOSPHORYLCHOLINE (PC) AND/OR PC CONJUGATES

(31) Priority Document No:61/.(32) Priority Date:09/.(33) Name of priority country:U.S(86) International Application No:PC'Filing Date:08/.	/521607 /08/2011 S.A. CT/US2012/049990 /08/2012 O 2013/022968 A A	<ul> <li>(71)Name of Applicant :</li> <li>1)ATHERA BIOTECHNOLOGIES AB Address of Applicant :c/o Business Center S:t Eriksgatan 117</li> <li>S 113 43 Stockholm Sweden</li> <li>2)DYAX CORP.</li> <li>(72)Name of Inventor :</li> <li>1)PETTERSSON Knut</li> <li>2)CAMBER Ola</li> <li>3)SEXTON Dan</li> <li>4)NIXON Andrew E.</li> </ul>
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### (57) Abstract :

The present disclosure relates to an antibody or antibody fragment capable of binding to phosphorylcholine and/or a phosphorylcholine conjugate wherein the antibody or antibody fragment comprises a variable heavy chain (VH) domain and/or a variable light chain (VL) domain and wherein (a) the VH domain comprises complementarity determining regions (CDRs) selected from the group consisting of: a CDR1 sequence having identity to the sequence of SEQ ID NO: 7; a CDR2 sequence having identity to the sequence of SEQ ID NO: 9 or 10; and/or (b) the VL domain comprises CDRs selected from the group consisting of: a CDR3 sequence of SEQ ID NO: 9 or 10; and/or (b) the VL domain comprises CDRs selected from the group consisting of: a CDR4 sequence having identity to the sequence of SEQ ID NO: 9 or 10; and/or (b) the VL domain comprises CDRs selected from the group consisting of: a CDR4 sequence having identity to the sequence of SEQ ID NO: 11; a CDR5 sequence having identity to the sequence of SEQ ID NO: 12; a CDR6 sequence having identity to the sequence of SEQ ID NO: 13.

No. of Pages : 62 No. of Claims : 37

(21) Application No.113/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :20/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : SURFACE TREATED CALCIUM CARBONATE FOR BINDING AND BIOREMEDIATING HYDROCARBON CONTAINING COMPOSITIONS

(51) International classification	:C09C1/02,C02F1/68,C02F3/34	(71)Name of Applicant :
(31) Priority Document No	:11177031.9	1)OMYA INTERNATIONAL AG
(32) Priority Date	:09/08/2011	Address of Applicant : Baslerstrasse 42 CH 4665 Oftringen
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:PCT/EP2012/065251	(72)Name of Inventor :
Filing Date	:03/08/2012	1)DI MAIUTA Nicola
(87) International Publication No	:WO 2013/020918	2)SCHWARZENTRUBER Patrick
(61) Patent of Addition to	:NA	3)SKOVBY Michael
Application Number		
Filing Date	:NA	
(62) Divisional to Application	:NA	
Number	:NA :NA	
Filing Date	.1NA	

(57) Abstract :

The invention relates to a surface treated calcium carbonate for binding and bioremediating hydrocarbon containing compositions to a method for binding and bioremediating hydrocarbon containing compositions as well as to the use of surface treated calcium carbonate for binding and bioremediating hydrocarbon containing compositions and to a composite material comprising the surface treated calcium carbonate and a hydrocarbon containing composition.

No. of Pages : 52 No. of Claims : 25

(21) Application No.134/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :22/01/2014

(43) Publication Date : 21/11/2014

#### (51) International classification :H04N9/07,H04N5/357 (71)Name of Applicant : (31) Priority Document No :2011-146445 **1)FUJIFILM Corporation** (32) Priority Date :30/06/2011 Address of Applicant :26 30 Nishiazabu 2 chome Minato ku (33) Name of priority country :Japan Tokyo 1068620 Japan :PCT/JP2012/057384 (72)Name of Inventor : (86) International Application No 1)HAYASHI Kenkichi Filing Date :22/03/2012 (87) International Publication No :WO 2013/001868 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : IMAGING DEVICE IMAGING METHOD AND IMAGING PROGRAM

(57) Abstract :

A deterioration in image quality caused by correction can be prevented in comparison to when consideration is not given to the sequence in which correction is performed on an image captured by an image pickup device. An imaging apparatus 10 is configured including an optical system 12, an image pickup device 14, an image capture correction processing section 16, and an image processing section 18. The image capture correction processing section 16 is configured including a color mixing correction section 20, a noise correction section 22, an offset correction section 24 and a gain correction section 26. The color mixing correction section 20 reads image data from the image pickup device 14 and performs color mixing correction processing thereon. The noise correction section 22 performs noise correction processing on the image data on which the color mixing correction section 20 has performed color mixing correction processing.

No. of Pages : 44 No. of Claims : 16

#### (19) INDIA

(22) Date of filing of Application :18/01/2013

#### (21) Application No.176/MUM/2013 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : MOTOR

(51) International classification	:H02K 1/00	(71)Name of Applicant :
(31) Priority Document No	:2012- 010451	1)NIDEC CORPORATION Address of Applicant :338 KUZETONOSHIRO-CHO,
(32) Priority Date	:20/01/2012	MINAMI-KO, KYOTO 601-8205 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)YUJI WATANABE
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

A motor includes a bearing holder axially extending in a substantially cylindrical shape and a surrounding member fixed to a radial outer surface of the bearing holder. The bearing holder includes a plurality of holder protrusion

portions each having a radial outer surface at least partially making contact with the surrounding member and holder recess portions positioned radially inward of holder protrusion portions. The holder protrusion portions and the holder recess portions are alternately arranged along a circumferential direction. The central angle of a portion of an inner circumferential surface of the surrounding member remaining out of contact with each of the holder protrusion portions is equal to or larger than the central angle of a portion of an outer circumferential surface of a bearing unit.

No. of Pages : 68 No. of Claims : 20

(21) Application No.227/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :04/02/2014

(43) Publication Date : 21/11/2014

(54) Title of the invention : PROGNOSTIC METHODOLOGY		
<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:1113968.0	(71)Name of Applicant : 1)UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED
<ul> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>		Address of Applicant :c/o Dr Philip Barnes 30 36 Newport Road Cardiff South Glamorgan CF24 0DE U.K. (72)Name of Inventor : 1)BAIRD Duncan 2)PEPPER Chris 3)FEGAN Christopher
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention concerns a prognostic method for determining at least one or a combination of the following: time to first treatment response to treatment or overall survival for a patient presenting with a disease including or characterised by telomere shortening comprising an assessment of the longest mean telomere length at which telomere end end fusion events can be detected and then a determination of the mean telomere length in the fusogenic range (i.e. the range below said mean telomere length at which telomere end end fusion events can be detected) and the subsequent use of the mean telomere length in the fusogenic range as a prognostic indicator.

No. of Pages : 59 No. of Claims : 21

(21) Application No.143/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :23/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : VIDEO ENCODING METHOD WITH INTRA PREDICTION USING CHECKING PROCESS FOR UNIFIED REFERENCE POSSIBILITY VIDEO DECODING METHOD AND DEVICE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication N</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number</li> </ul>	:61/503857 :01/07/2011 :U.S.A. :PCT/KR2012/005246 :02/07/2012 fo:WO 2013/005962 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SAMSUNG ELECTRONICS CO. LTD. Address of Applicant :129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 REPUBLIC OF KOREA.</li> <li>(72)Name of Inventor :</li> <li>1)YANG Hee Chul</li> <li>2)KWAK Young Jin</li> <li>3)CHOI Kwang Pyo</li> </ul>
Number Filing Date	:NA :NA	

(57) Abstract :

Through the present invention disclosed is an intra prediction method which searches a neighbor block restored prior to a current block among image blocks checks whether the searched neighbor block is a restored block in an intra mode and the current block refers to the restored neighbor block in the intra mode and determines whether or not the neighbor block is a reference block for intra prediction of the current block based on the checked results.

No. of Pages : 58 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :23/01/2013

(21) Application No.208/MUM/2013 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : VEHICLE CREWSTATION SEAT ASSEMBLY

(51) International classification	:A47C 1/00.A47C	(71)Name of Applicant : 1)BELL HELICOPTER TEXTRON INC.
	15/00	Address of Applicant :P.O. BOX 482 FORT WORTH,
(31) Priority Document No	:13/360,461	TEXAS 76101, U.S.A.
(32) Priority Date	:27/01/2012	(72)Name of Inventor :
(33) Name of priority country	:U.S.A.	1)BRAND, ALBERT G.
(86) International Application No	:NA	2)WITTMAAK, JOHN R.
Filing Date	:NA	3)MCCOLLOUGH JAMES M.
(87) International Publication No	: NA	4)HARSE JAMES H.
(61) Patent of Addition to Application Number	:NA	5)ADAMS RICHARD H. JR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A movable seat assembly for a vehicle comprises a predetermined path having an operational location at a first end and an ingress/egress location at a second end, and a seat that travels along the predetermined path between the operational location and the ingress/egress location, wherein the seat has an operational orientation at the operational location and an ingress/egress seat orientation at the ingress/egress location; the ingress/egress seat orientation being substantially angled relative to the operational seat orientation. Another moveable seat assembly for a vehicle comprises a predetermined path having an operational location at a first end, an ingress/egress location at a second end, and a standby location along the path there between; and a seat that travels along the predetermined path between the operational location, the standby location, and the ingress/egress location; wherein the position of the seat is adjustable at the operational location. Another moveable seat assembly for a vehicle comprise as a seat assembly for a vehicle comprises a seat coupled to and moveable along at least one track defining a predetermined path between an operational location and an ingress/egress location.

No. of Pages : 40 No. of Claims : 20

(21) Application No.216/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :03/02/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : IMPROVEMENTS RELATING TO TARGETED BENEFIT AGENTS AND SUBSTRATE TREATMENT COMPOSITIONS

(51) International classification :C11D3/37,C11D3/50,C08F251/00		(71)Name of Applicant :
(31) Priority Document No	:NA	1)UNILEVER PLC
(32) Priority Date	:NA	Address of Applicant : Unilever House 100 Victoria
(33) Name of priority country	:NA	Embankment London Greater London EC4Y 0DY U.K.
(86) International Application	:PCT/CN2011/001412	(72)Name of Inventor :
No	:24/08/2011	1)CHEN Honggang
Filing Date	.24/08/2011	2)JONES Christopher Clarkson
(87) International Publication	:WO 2013/026181	3)PAN Xiaoyun
No		4)WANG Jinfang
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	.1174	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.1 1/2 1	

(57) Abstract :

The invention provides a particle comprising: a) a benefit agent (preferably a perfume); b) at the outer surface of the particle a polymer comprising: i) distal from the outer surface of the particle at least one region substantive to polyester (preferably derived from phthalate or a cellulose ether) and ii) proximal to the outer surface of the particle a spacer region which is water soluble and not substantive to polyester. The spacer region is preferably a polysaccharide region substantive to cellulose (preferably a 1 4 linked structure more preferably a poly mannan poly glucan poly glucomannan poly xyloglucan or poly galactomannan) most preferably a graft polymer of locust bean gum and a PPT/PET POET polymer. The invention also provides a laundry detergent or conditioning composition comprising at least one surfactant and a polymer according to the invention.

No. of Pages : 45 No. of Claims : 12

(21) Application No.2422/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :23/12/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD AND APPARATUS FOR GENERATING X RAY RADIATION (51) International classification :H05G1/58,H05G1/46,A61N5/10 (71)Name of Applicant : (31) Priority Document No :10 2011 110 615.8 1)CARL ZEISS MEDITEC AG (32) Priority Date :16/08/2011 Address of Applicant : Carl Zeiss Strasse 22 73447 (33) Name of priority country :Germany Oberkochen Germany. (72)Name of Inventor : (86) International Application :PCT/EP2012/065863 1)WEIGAND Frank No :14/08/2012 Filing Date (87) International Publication No:WO 2013/024086 (61) Patent of Addition to :NA Application Number :NA

(57) Abstract :

Number

Filing Date

Filing Date

(62) Divisional to Application

:NA

:NA

The present invention relates in particular to methods and apparatuses for generating and/or providing X ray radiation with specific radiation characteristics in particular with a specific radiation dose rate curve (10). In order to provide simple and cost efficient solution it is provided according to the invention that the X ray radiation is generated and/or provided by composing and/or adapting the X ray radiation with the specific radiation characteristics in particular with the specific radiation dose rate curve (10) proportionally from a first specification X ray radiation with a defined first radiation characteristics in particular with a predetermined first radiation dose rate curve (11) und a second specification X ray radiation which is different from the first specification with defined second radiation characteristics in particular with a predetermined second radiation dose rate curve (12).

No. of Pages : 47 No. of Claims : 15

(21) Application No.123/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :21/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : HOT WATER AIR CONDITIONING SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:201110198815.1 :15/07/2011 :China	<ul> <li>(71)Name of Applicant :</li> <li>1)GUANGDONG TONGYI ELECTRICAL APPLIANCE</li> <li>CO. LTD. <ul> <li>Address of Applicant :No.219 Qiaozhong Middle Road Liwan</li> </ul> </li> <li>District Guangzhou Guangdong 510163 CHINA.</li> <li>(72)Name of Inventor : <ul> <li>1)TANG Bikui</li> <li>2)HE Yongyi</li> </ul> </li> </ul>
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(57) Abstract :

A hot water air conditioning system comprises a hot water unit (1) an air conditioning unit (2) and a heat transferring pipeline module (3). The hot water unit (1) has a water inlet pipeline (16) and a water outlet pipeline (17). The water inlet pipeline (16) is provided with a water guide branch (11) in communication with an external water supply pipeline. Through the water guide branch (11) low temperature water can be introduced into the system so that water output from the water outlet pipeline (17) maintains a constant temperature and does not affect the efficiency of the air conditioning unit.

No. of Pages : 18 No. of Claims : 6

(21) Application No.191/MUM/2013 A

# (19) INDIA

(22) Date of filing of Application :21/01/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : BOTTOM MOUNT BLADE POSITIONING ASSEMBLY FOR A MOTOR GRADER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:E02F9/28, E02F3/815 :13/397119 :15/02/2012 :U.S.A. :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)DEERE &amp; COMPANY <ul> <li>Address of Applicant :ONE JOHN DEERE PLACE,</li> </ul> </li> <li>MOLINE, ILLINOIS, 61265-8098, U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)HORSTMAN NATHAN J</li> <li>2)HARBER NEIL V</li> </ul> </li> </ul>
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA	3)STAADE DUSTIN T
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract :

A motor grader includes a base unit and a blade positioning assembly. The base unit has a main frame. The blade positioning assembly includes a pivot member attached to and extending downwardly from the main frame, and a blade lift member attached to a bottom end of the pivot member.

No. of Pages : 18 No. of Claims : 20

(21) Application No.224/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :04/02/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : MOBILE DEVICE DOCKING STATION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G06F1/16,H02J17/00, H05K7/14 :61/506236 :11/07/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)RPT COMMUNICATIONS INC. Address of Applicant :5170 Timberlea Blvd Unit B Mississauga Ontario L4W 2S5 Canada</li> </ul>
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/CA2012/050474	1)TURNPENNY Robert Paul
Filing Date	:11/07/2012	2)LEE Gary
(87) International Publication No	:WO 2013/006973	3)LEE Sunny
(61) Patent of Addition to Application	:NA	4)FILL Greg
Number		5)ZHANG Qingshu
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A docking station adapted to receive and communicate with one or more mobile device. An interchangeable docking module can be removably engaged on the docking station. The docking module is adapted to receive a mobile device. Once the mobile device is received (docked) in the docking module the docking station may be operable to deliver an electric current to charge the mobile device. A communication link between the docking station and the mobile device may also be established. A user may configure various functions of the mobile device using the docking station.

No. of Pages : 27 No. of Claims : 18

(21) Application No.2434/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :23/12/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : MACHINE AND METHOD FOR PREPARING BEVERAGES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:A47J31/40 :MI2011A001176 :28/06/2011 :Italy :PCT/IB2012/053104 :20/06/2012 :WO 2013/001416 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>I)INGEGNI SRL</li> <li>Address of Applicant : Via Monte Rosa 51 I 20149 Milano</li> <li>(MI) Italy</li> </ol> </li> <li>(72)Name of Inventor : <ol> <li>GIANNELLI William</li> </ol> </li> </ul>
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(57) Abstract :

A machine (1) for preparing beverages has a support structure (3) which defines a first area (A) for receiving a capsule (2) that contains a beverage preparation and a second area (B) for beverage delivery. The machine (1) comprises support means (4) for supporting a capsule (2) containing a beverage preparation at the first area (A) and means (5) for directing a localized hot air jet to a predetermined localized portion (PI) of the enclosure of the capsule (2) to form a first through opening in such predetermined localized portion (PI) thereby allowing the beverage preparation to come out therefrom.

No. of Pages : 26 No. of Claims : 29

(21) Application No.2435/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ATOMIZING NOZZLE DEVICE ATOMIZING PROCESS AND USE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)OMYA INTERNATIONAL AG Address of Applicant :Baslerstrasse 42 CH 4665 Oftringen Switzerland</li> <li>(72)Name of Inventor :</li> </ul>
Filing Date	:09/07/2012	1)SAUNDERS George
(87) International Publication No	:WO 2013/007673	2)KITTREDGE Ryan
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	27.4	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a new atomizing device with improved droplet formation. Smaller droplets are formed with increased micronized volume throughput wherein high volumes of air are fed to a liquid sprayed from a liquid nozzle (2). High volume ratios result in mean free path between droplets being conveyed so as to minimize collisions and to prevent aggregation of the droplet.

No. of Pages : 39 No. of Claims : 36

(21) Application No.215/MUMNP/2014 A

### (19) INDIA

(22) Date of filing of Application :03/02/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ENCAPSULATED BENEFIT AGENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:C11D1/46,C11D3/37,C11D3/50 :PCT/CN2011/001419 :25/08/2011 :China	<ul> <li>(71)Name of Applicant :</li> <li>1)UNILEVER PLC</li> <li>Address of Applicant :a company registered in England and</li> <li>Wales under company no. 41424 of Unilever House 100 Victoria</li> </ul>
(86) International Application N Filing Date	o:PCT/EP2012/063728 :12/07/2012	Embankment London Greater London EC4Y 0DY U.K. (72) <b>Name of Inventor :</b>
<ul> <li>(87) International Publication No.</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(2) Distributed to the distributed</li> </ul>	:WO 2013/026620 :NA :NA	1)BARNETT Stuart Anthony 2)HUNTER Robert Allan 3)JONES Christopher Clarkson 4)JONES Craig Warren
(62) Divisional to Application Number Filing Date	:NA :NA	5)PAN Xiaoyun 6)WANG Jinfang

# (57) Abstract :

A liquid fabric conditioner composition comprising: (a) a fabric conditioner base comprising a fabric conditioning active and having a pH of from 2.0 to 5.0; and (b) a particle comprising: (b1) a capsule which comprises: (x) a core comprising a benefit agent; and (y) a shell; and (b2) a coating comprising a modified polyvinyl alcohol; wherein the modified polyvinyl alcohol comprises: (i) a hydrophobic group selected from an alkyl chain and an aryl chain having from 4 to 16 carbon atoms; and a hydrophilic group which is selected from a primary secondary and tertiary amine; and (iii) a mole ratio of hydrophobic groups to hydrophilic groups of from 1:0.5 to 1:10; and wherein the particle has a weight ratio of the capsule to the coating in the range of from 1:1 to 4:1; and the modified polyvinyl alcohol has a level of hydrophobic modification of from 2.0 to 15.0 mole % with the proviso that at a weight ratio of capsule to coating of about 1:1 preferably from 1:1 to 1.25:1 the level of hydrophobic modification is from 2 to 10 mol %.

No. of Pages : 52 No. of Claims : 17

(21) Application No.243/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :06/02/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD AND DEVICE FOR OBTAINING OF STAPLE FIBRE YARN IN A SINGLE PROCESS OF COMBING DRAWING AND TWISTING

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:D01G15/02,D01H5/74,D01H4/02 :111027 :03/09/2011 :Bulgaria	<ul> <li>(71)Name of Applicant :</li> <li>1)D A DINKO BAHOV ET Address of Applicant :21 Zelena Livada Street ap. 2 5300 Gabrovo BULGARIA.</li> </ul>
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:PCT/BG2012/000022 :27/08/2012 :WO 2013/029123	<ul><li>(72)Name of Inventor :</li><li>1)BAHOV Dinko</li><li>2)BAHOV Atanas</li><li>3)BAHOV Dobromir</li></ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The method and device find application for obtaining of staple fibre yarn in a single process of combing drawing and twisting. In the method the fed fibrous sliver of staple filaments (1) is subjected to combing of first () their front ends and of next () their rear ends with continuous high rate drawing The device consists of a feeding roller and a feeding table the feeding table (9) and two main arc like surfaces () and () covering part of the surface of the combing needle roller 1 1 which is perforated and finishes close to a drawing trine of rollers (21 22 and 23).

No. of Pages : 15 No. of Claims : 4

(21) Application No.2430/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :23/12/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : JET SPOUTED BED REACTOR HAVING A SPECIFIC PROFILE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application</li> </ul>	PCT/EP2012/062609 :28/06/2012 :WO 2013/001024 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)COMMISSARIAT L‰NERGIE ATOMIQUE ET AUX</li> <li>‰NERGIES ALTERNATIVES <ul> <li>Address of Applicant :25 rue Leblanc Btiment Le Ponant D F</li> </ul> </li> <li>75015 Paris France <ul> <li>(72)Name of Inventor :</li> <li>1)BROTHIER Mryl</li> </ul> </li> <li>2)MOULINIER Dominique</li> <li>3)RODRIGUEZ Philippe</li> <li>4)ABLITZER Carine</li> </ul>
Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a jet spouted bed reactor comprising a cylindrical area (12) a gas injection pipe (18) at the base of the cylindrical area and a transition area connecting the upper end of the pipe (18) to the base of the cylindrical area (12) said transition area having a convex profile in a plane extending through the axis of flow (YY) of a fluid in the pipe (18).

No. of Pages : 35 No. of Claims : 14

(21) Application No.2431/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :23/12/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ELASTIC FABRIC

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication</li> </ul>	:2011-118834 :27/05/2011 :Japan :PCT/US2012/039306 :24/05/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)TORAY OPELONTEX CO. LTD. Address of Applicant :1 1 Nihonbashi Honcho 1 chome Chuo ku Tokyo Tokyo 103 0023 Japan</li> <li>2)INVISTA TECHNOLOGIES Sr.l.</li> <li>(72)Name of Inventor :</li> <li>1)ITOH Shingo</li> <li>2)TANAKA Toshihiro</li> <li>3)LIU Hong</li> </ul>
No	:WO 2012/166504	Since nong
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

To provide elastic fabric that has comfortable wear and fit even in thin and light fabric by using a high powered polyurethane elastic fiber that has at least 1.5 times the active force and recovery per unit fineness at the time of 100 to 200% elongation compared to conventional polyurethane elastic fiber. Resolution means an elastic fabric comprising a polyurethane elastic fiber made of a polyol with a molecular weight between 450 and 1600 with a ratio of weight average molecular weight to number average molecular weight of at least 1.8 an organic diisocyanate compound and a diamine compound.

No. of Pages : 29 No. of Claims : 10

(21) Application No.18/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :06/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : MAGNETIC INDUCTIVE FLOW METER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G01F1/58 :10 2011 079 351.8 :18/07/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)ENDRESS+HAUSER FLOWTEC AG Address of Applicant :Kgenstrasse 7 4153 CH Reinach (BL)</li> </ul>
(33) Name of priority country	:Germany	Switzerland
(86) International Application No Filing Date	:PCT/EP2012/060552 :05/06/2012	(72)Name of Inventor : 1)VOIGT Frank
(87) International Publication No	:WO 2013/010715	2)B,,HR G <sup>1</sup> /4nther
(61) Patent of Addition to Application Number	:NA :NA	3)UERLINGS Diego 4)WOHLGEMUTH Werner
Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Magnetic inductive flow meter with a measuring tube (1) and at least one magnet system (2) arranged on the measuring tube the measuring tube (1) having at least one flat surface (9) and an otherwise cylindrical circumferential surface which surfaces delimit the measuring tube relative to the environment against which flat surface (9) the magnet system (2) is pre tensioned the magnet system (2) being pre tensioned against the flat surface (9) of the measuring tube (1) by means of a screw connection between measuring tube (1) and magnet system (2) and/or the magnet system (2) being pre tensioned against the flat surface (9) of the measuring tube (1) by means of an assembly clip (6) which is fastened form fittingly to the measuring tube (1) and method for producing a magnetic inductive flow meter.

No. of Pages : 25 No. of Claims : 14

(21) Application No.225/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :04/02/2014

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : BIARYL DERIVATIVES AS NACHR MODULATORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C07D277/28,C07D277/30,C07D333/22 :906/KOL/2011 :05/07/2011 :India :PCT/IB2012/053347 :02/07/2012 :WO 2013/005153 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LUPIN LIMITED <ul> <li>Address of Applicant :159 CST Road Kalina Santacruz (East)</li> </ul> </li> <li>State of Maharashtra Mumbai 400 098 Maharashtra India</li> <li>(72)Name of Inventor : <ul> <li>1)SINHA Neelima</li> <li>2)KARCHE Navnath Popat</li> <li>3)HATNAPURE Girish Dhanraj</li> <li>4)HAJARE Anil Kashiram</li> <li>5)PALLE Venkata P.</li> <li>6)KAMBOJ Rajender Kumar</li> </ul> </li> </ul>
Filing Date	INA	

### (57) Abstract :

Disclosed is a compound of formula (I): wherein D m n and R R are as described herein as a modulator of nicotinic acetylcholine receptors particularly the a7 subtype in a subject in need thereof as well as analogues prodrugs isotopically substituted analogs metabolites pharmaceutically acceptable salts polymorphs solvates isomers clathrates and co crystal thereof for use either alone or in combinations with suitable other medicaments and pharmaceutical compositions containing such compounds and analogues. Also disclosed are a process of preparation of the compounds and the intended uses thereof in therapy particularly in the prophylaxis and therapy of disorders such as Alzheimer's disease mild cognitive impairment senile dementia and the like.

No. of Pages : 94 No. of Claims : 21

(21) Application No.244/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :06/02/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : OPERATION DEVICE AND INFORMATION PROCESSING METHOD AND INFORMATION PROCESSING DEVICE THEREFOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:G06F3/048,H04N5/00 :2011-189439 :31/08/2011 :Japan :PCT/JP2012/005311 :24/08/2012 :WO 2013/031158	<ul> <li>(71)Name of Applicant :</li> <li>1)SONY CORPORATION <ul> <li>Address of Applicant :1 7 1 Konan Minato ku Tokyo 1080075</li> </ul> </li> <li>Japan <ul> <li>(72)Name of Inventor :</li> <li>1)TSURUMOTO Takashi</li> <li>2)FUSHIMI Toshihiko</li> </ul> </li> </ul>
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA	3)YAMANO Ikuo
Filing Date	:NA	

#### (57) Abstract :

Provided is an operation device which can improve operability. The operation device is equipped with: an enclosure which comprises two front rear opposing surfaces as a first surface and second surface; a first operation input unit which is provided on the first surface and comprises a detection unit for detecting a user operation with respect to a predetermined coordinate detection space on the first surface; a second operation input unit which is provided on the second surface; a determination unit for determining the orientation of the enclosure when a user operation with respect to the coordinate detection space of the detection unit is performed from the second surface side; and a conversion unit for when the orientation has been determined converting information detected by the detection unit to information of a coordinate system through which the coordinate detection space is seen from the second surface side.

No. of Pages : 62 No. of Claims : 11

(21) Application No.2440/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :24/12/2013

(54) Title of the invention : HARDENER FOR EPOXY RESINS

(43) Publication Date : 21/11/2014

(51) International	:C08G59/50,C08G59/56,C08G59/62	(71)Name of Applicant :
classification		1)SIKA TECHNOLOGY AG
(31) Priority Document No	:11174274.8	Address of Applicant : Zugerstrasse 50 CH 6340 Baar
(32) Priority Date	:15/07/2011	Switzerland
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International	:PCT/EP2012/063375	1)KRAMER Andreas
Application No	:09/07/2012	2)KASEMI Edis
Filing Date		
(87) International Publication :WO 2013/010841		
No	. WO 2013/010841	
(61) Patent of Addition to	:NA	
Application Number		
Filing Date	:NA	
(62) Divisional to	. NI A	
Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to low odour low viscosity hardeners for epoxy resins containing an amine having at least one amino group of the formula (I) and an amine having at least one amino group of the formula (II) where the amino groups of the formulae (I) and (II) are present in a particular ratio. With epoxy resins said hardeners harden rapidly and without blushing to give films of high hardness and good stability. More particularly they are suitable for low emission coatings.

No. of Pages : 56 No. of Claims : 15

(21) Application No.131/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :21/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD AND DEVICE FOR DETECTION AND QUANTIFICATION OF THERMODURIC MICROORGANISMS IN A PRODUCT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:NA :NA :NA :PCT/EP2011/062233 :18/07/2011 :WO 2013/010574 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LUXCEL BIOSCIENCES LIMITED Address of Applicant :BioInnovation Centre UCC BioTransfer Unit Suite 332 Cork Co. Cork Ireland</li> <li>(72)Name of Inventor :</li> <li>1)HYNES James Niall</li> <li>2)PAPKOVSKY Dmitri Boris</li> </ul>
Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Method of detecting the presence of thermoduric microorganisms in a product that includes the steps of (i) placing an aliquot A of a product into a vessel (10) equipped with a probe (30) sensitive to a thermoduric microorganism metabolite (ii) pasteurizing the aliquot A within the vessel (10) (iii) incubating the pasteurized aliquot A within the vessel (10) for an incubation period and (iv) periodically interrogating the probe (30) during the incubation period.

No. of Pages : 20 No. of Claims : 39

(21) Application No.2423/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :23/12/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHODS FOR CONVERTING LIGNOCELLULOSIC MATERIAL TO USEFUL PRODUCTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:C12P7/10,C08H8/00 :61/495541 :10/06/2011 :U.S.A. :PCT/EP2012/060861 :08/06/2012 :WO 2012/168408 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SYNGENTA PARTICIPATIONS AG Address of Applicant :Schwarzwaldallee 215 CH 4058 Basel Switzerland</li> <li>2)QUEENSLAND UNIVERSITY OF TECHNOLOGY</li> <li>(72)Name of Inventor :</li> <li>1)ZHANG Zhanying</li> <li>2)O`HARA Ian Mark</li> <li>3)DOHERTY William Orlando Sinclair</li> <li>4)RACKEMANN Darryn</li> </ul>
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(57) Abstract :

The present invention provides compositions and methods for the pretreatment of lignocellulosic material. The present invention further provides for pretreated lignocellulosic material that can be used to produce useful products such as fermentable sugars.

No. of Pages : 80 No. of Claims : 26

(19) INDIA

(22) Date of filing of Application :23/12/2013

(21) Application No.2424/MUMNP/2013 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : SPRAY DRIED - LACTOBACILLUS STEMS / CELLS AND THE USE OF SAME AGAINST HELICOBACTER PYLORI

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:11169137.4 :08/06/2011 :EPO :PCT/EP2012/060948 :08/06/2012 :WO 2012/168468 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ORGANOBALANCE GMBH Address of Applicant :Gustav Meyer Allee 25 Geb. 12 13355 Berlin Germany.</li> <li>(72)Name of Inventor :</li> <li>1)ARYA Stefanie</li> <li>2)GOELLING Detlef</li> <li>3)HOLZ Caterina</li> <li>4)LANG Christiane</li> </ul>
Filing Date	:NA	

(57) Abstract :

The invention relates to spray dried stems and cells (lactic acid bacteria) and to their use particularly in pharmaceutical and/or dietary compositions for the treatment and prophylaxis of infections in humans and animals.

No. of Pages : 29 No. of Claims : 15

(21) Application No.2425/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :23/12/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHODS FOR TREATING LIGNOCELLULOSIC MATERIAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:C12P7/10,C08H8/00 :61/495549 :10/06/2011 :U.S.A. :PCT/EP2012/060865 :08/06/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)SYNGENTA PARTICIPATIONS AG Address of Applicant :Schwarzwaldallee 215 CH 4058 Basel Switzerland</li> <li>2)QUEENSLAND UNIVERSITY OF TECHNOLOGY</li> <li>(72)Name of Inventor :</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:WO 2012/168410 :NA :NA :NA :NA	<ol> <li>(72) Tune of Inventor 1</li> <li>1) ZHANG Zhanying</li> <li>2) O`HARA Ian Mark</li> <li>3) DOHERTY William Orlando Sinclair</li> </ol>

(57) Abstract :

The present invention provides compositions and methods for the pretreatment of lignocellulosic material. The present invention further provides for pretreated lignocellulosic material that can be used to produce products such as fermentable sugars.

No. of Pages : 50 No. of Claims : 32

(21) Application No.2426/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :23/12/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : INTEGRATION OF DISTRIBUTED THERMOELECTRIC HEATING AND COOLING

(57) Abstract :

A thermoelectric device comprising an elongated panel formed of a thermally insulating material and having a plurality of thermoelectric elements comprising compacted conductors inside the insulating material and expanded conductors outside the insulating material wherein the thermoelectric elements run substantially parallel to or at an acute angle relative to the long dimension of the panel. The thermoelectric device may be integrated into a variety of surfaces or enclosures needing heating or cooling with controls and configurations to optimize the application.

No. of Pages : 29 No. of Claims : 20

(21) Application No.2428/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :23/12/2013

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : STABLE LIQUID FORMULATION OF ETANERCEPT

<ul> <li>(51) International classification</li> <li>(31) Priority Document</li> <li>No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> <li>(87) International</li> </ul> </li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> <li>Filing Date</li> </ul> </li> </ul>	:A61K9/08,A61K31/195,A61K31/4172 :10-2011-0053890 :03/06/2011 :Republic of Korea :PCT/KR2012/004369 :01/06/2012 :WO 2012/165917 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LG LIFE SCIENCES LTD. Address of Applicant :(Sinmunno 2 ga) 58 Saemunan ro Jongno gu Seoul 110 062 REPUBLIC OF KOREA.</li> <li>(72)Name of Inventor :</li> <li>1)CHOI Suk Young</li> <li>2)KO Youn Kyung</li> <li>3)SO Jin Eon</li> </ul>
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#### (57) Abstract :

The present invention relates to a stable liquid formulation of etanercept (recombinant p75 sTNFR:Fc fusion protein) and more particularly to a liquid formulation comprising one or more stabilizers selected from the group consisting of

methionine lysine histidine and pharmaceutically acceptable salts thereof in an amount sufficient to reduce by product formation of etanercept during storage. The liquid formulation according to the present invention effectively reduces production of etanercept by products and to stably maintain its pharmaceutical efficacies for long term storage. Therefore the reconstitution procedure is not required before administration and the sterile formulation can be administered to patients to ensure patient safety. Thus it can be applied to the fields in need of etanercept treatment.

No. of Pages : 25 No. of Claims : 16

(21) Application No.141/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :22/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : BASE STATION DEVICE TERMINAL DEVICE TRANSMISSION METHOD AND RECEPTION METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> </ul>	:H04W72/04 :2012-164619 :25/07/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)PANASONIC CORPORATION Address of Applicant :1006 Oaza Kadoma Kadoma shi Osaka</li> </ul>
<ul><li>(33) Name of priority country</li><li>(86) International Application No Filing Date</li></ul>	:Japan :PCT/JP2013/003904 :21/06/2013	5718501 Japan (72)Name of Inventor : 1)HORIUCHI Ayako
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2014/017016	2)TAKEDA Kazuki
Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

This base station device can avoid PUCCH resource collisions among terminals while suppressing an increase in PUCCH resources even if a plurality of search spaces are set regarding ePDCCH with respect to a single terminal. In the device a setting unit (102) sets at a terminal (200) in a data assignable region a first search space and a second search space which are candidates for assigning control information and each of the first search space and the second search space is configured from a plurality of control channel elements. A signal assignment unit (105) assigns control information to each of the first search space and the second search space and the second search space and the second search space. A setting unit (102) allocates numbers in ascending order to the plurality of first control channel elements configuring the first search space and allocates numbers that are the same as or numbers that are greater than the numbers allocated to the plurality of first control channel elements to the plurality of second control channel elements configuring the second search space.

No. of Pages : 75 No. of Claims : 16

#### (19) INDIA

(22) Date of filing of Application :18/01/2013

#### (21) Application No.175/MUM/2013 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : MOTOR

		1
(51) International classification	:H02K 1/00	(71)Name of Applicant :
(31) Priority Document No	:2012- 010452	1)NIDEC CORPORATION Address of Applicant :338 KUZETONOSHIRO-CHO, KUZE
(32) Priority Date	:20/01/2012	MINAMI-KU, KYOTO 601-8205 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)YUJI WATANABE
Filing Date	:NA	2)MASAMICHI NAGATA
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		*

#### (57) Abstract :

A motor includes a bearing holder and an attachment plate fixed to a radial outer surface of the bearing holder. The attachment plate includes a flat portion having a circular hole and a burring portion axially protruding from a verge of the circular hole. The bearing holder includes holder protrusion portions each having a radial outer surface at least partially making contact with the burring portion and holder recess portions and the holder protrusion portions and the holder recess portions are alternately arranged along a circumferential direction. The burring portion includes a plurality of caulking sections felled radially outward to make contact with the circuit board and the caulking sections are arranged radially outward of the holder recess portions.

No. of Pages : 68 No. of Claims : 25

(21) Application No.2183/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :22/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : BRACHYTHERAPY SOURCE ASSEMBLY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> </ul>	:A61N5/10 :2006886 :01/06/2011 :Netherlands :PCT/NL2012/050386 :01/06/2012 :WO 2012/165964 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)NUCLETRON OPERATIONS B.V. Address of Applicant :Waardgelder 1 3905 TH Veenendaal The Netherlands.</li> <li>(72)Name of Inventor :</li> <li>1)BAKKER Pier</li> <li>2)DE JAGER Wim</li> <li>3)VISSCHER Arie Luite</li> <li>4)VREEKEN Henk</li> </ul>
(61) Patent of Addition to Application	:NA	3)VISSCHER Arie Luite

(57) Abstract :

The invention is directed to a brachytherapy source assembly to a kit of parts to a method for preparing a brachytherapy source assembly to uses of a specific coating and to a brachytherapy treatment. The brachytherapy source assembly of the invention comprises a push/pull wire and at the distal end thereof a capsule suitable for brachytherapy wherein said capsule comprises a chamber for holding one or more radioactive sources said chamber being defined by a wall and wherein at least part of the exterior surface of the wall of the capsule comprises a coating the coating comprising one or more selected from TiN TiCN TiCN CrN TiA1CrN DLC and MS wherein said capsule is attached to the push/pull wire or wherein said capsule is comprised in the push/pull wire.

No. of Pages : 19 No. of Claims : 21

(21) Application No.2455/MUMNP/2013 A

#### (19) INDIA

(22) Date of filing of Application :27/12/2013

(54) Title of the invention : HYDROPHOBISED CALCIUM CARBONATE PARTICLES

(43) Publication Date : 21/11/2014

(51) International classification	:D21C9/08,D21H21/02	(71)Name of Applicant :
(31) Priority Document No	:11173471.1	1)OMYA INTERNATIONAL AG
(32) Priority Date	:11/07/2011	Address of Applicant : Baslerstrasse 42 CH 4665 Oftringen,
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:PCT/EP2012/063461	(72)Name of Inventor :
Filing Date	:10/07/2012	1)GANTENBEIN Daniel
(87) International Publication No	:WO 2013/007717	2)SCHOELKOPF Joachim
(61) Patent of Addition to Application	:NA	3)GANE Patrick A. C.
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The present invention relates to a process for the reduction of pitch in an aqueous medium generated in a papermaking or pulping process comprising the following steps: a) providing an aqueous medium comprising pitch generated in a papermaking or pulping process; b) providing a ground calcium carbonate and/or a precipitated calcium carbonate; c) providing a hydrophobising agent selected from an aliphatic carboxylic acid having between 5 and 24 carbon atoms; d) contacting the ground calcium carbonate and/or the precipitated calcium carbonate of step b) with the hydrophobising agent of step c) for obtaining a hydrophobised ground calcium carbonate; and e) contacting the aqueous medium provided in step a) with the hydrophobised ground calcium carbonate and/or the hydrophobised precipitated calcium carbonate and/or the hydrophobised ground calcium carbonate and/or the hydrophobised ground calcium carbonate of a hydrophobised ground calcium carbonate and/or a hydrophobised ground calcium carbonate and/or the hydrophobised ground calcium carbonate obtained in step d) to the use of a hydrophobised ground calcium carbonate and/or a hydrophobised ground calcium carbonate and a composite of hydrophobised ground calcium carbonate and/or hydrophobised ground calcium carbonate and pitch.

No. of Pages : 54 No. of Claims : 28

(21) Application No.234/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :05/02/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD UTILIZING ENZYME SUBSTRATES PRODUCING INSOLUBLE FLUORESCENT PRODUCTS AND CHROMOGENS AND USE IN COMBINATION WITH ENZYME SUBSTRATES PRODUCING SOLUBLE PRODUCTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:PCT/US2011/001192 :07/07/2011 :WO 2013/006148 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ROTH Geoffrey N. Address of Applicant :19676 Riverview Drive Goshen IN</li> <li>46526 9129 U.S.A.</li> <li>2)ROTH Jonathan N.</li> <li>(72)Name of Inventor :</li> <li>1)ROTH Geoffrey N.</li> <li>2)ROTH Jonathan N.</li> </ul>
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(57) Abstract :

A method of detection of cells microorganisms or molecules by the use of various combinations of fluorogens and a chromogens which yield fluorophores and chromophores when cleaved by specific enzymes and which can be viewed by UV and visible light. Included is the method of application of a family of compounds producing both insoluble fluorophores and chromophores identified as dual enzyme substrates.

No. of Pages : 23 No. of Claims : 14

(21) Application No.245/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :07/02/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : BENEFIT AGENT DELIVERY PARTICLES COMPRISING DEXTRAN (51) International classification :A61K8/11,A61K8/73,A61Q5/02 (71)Name of Applicant : (31) Priority Document No :PCT/CN2011/001415 **1)UNILEVER PLC** :24/08/2011 (32) Priority Date Address of Applicant : Unilever House 100 Victoria (33) Name of priority country :China Embankment London Greater London EC4Y 0DY U.K. (72)Name of Inventor : (86) International Application :PCT/EP2012/064897 **1)CHEN Honggang** No :30/07/2012 Filing Date 2) JONES Christopher Clarkson (87) International Publication No:WO 2013/026656 3)PAN Xiaoyun (61) Patent of Addition to 4)WANG Jinfang :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract :

The invention provides a composition comprising a benefit agent delivery particle comprising dextran as a delivery aid. The benefit agent delivery particle may further comprise a non polysaccharide polymer preferably an aminoplast polymer. The benefit agent delivery particle may comprise a perfume. The invention also provides a process for the manufacture of the particles in which perfume oil is encapsulated using emulsion polymerization to form core shell particles (in the alternative the perfume may be adsorbed later) and a further polymer layer is formed on the outer surface of the core shell particles in the presence of the delivery aid.

No. of Pages : 66 No. of Claims : 9

(21) Application No.2453/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :26/12/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR PRODUCING PRODUCTION GAS AND APPARATUS USING SAME

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(33) Name of priority country</li> <li>(34) International Application No</li> <li>(35) Filing Date</li> <li>(37) International Publication No</li> <li>(38) Priority Date</li> <li>(39) Name of Priority Country</li> <li>(31) Priority Date</li> <li>(32) Priority Date</li> <li>(33) Name of Priority Country</li> <li>(34) Priority Date</li> <li>(35) Priority Date</li> <li>(36) Priority Date</li> <li>(37) Priority Date</li> <li>(38) Priority Date</li> <li>(39) Priority Date</li> <li>(30) Priority Date</li> <li>(31) Priority Date</li> <li>(32) Priority Date</li> <li>(33) Name of Priority Country</li> <li>(34) Priority Date</li> <li>(35) Priority Country</li> <li>(35) Priority Date</li> <li>(36) Priority Date</li> <li>(37) Priority Date</li> <li>(38) Priority Date</li> <li>(39) Priority Date</li> <li>(31) Priority Date</li> <li>(32) Priority Date</li> <li>(33) Priority Date</li> <li>(34) Priority Date</li> <li>(35) Priority Date</li> <li>(36) Priority Date</li> <li>(37) Priority Date</li> <li>(38) Priority Date</li> <li>(38) Priority Date</li> <li>(39) Priority Date</li> <li>(31) Priority Date</li> <li>(31) Priority Date</li> <li>(32) Priority Date</li> <li>(33) Priority Date</li> <li>(34) Priority Date</li> <li>(35) Priority Date</li> <li>(36) Priority Date</li> <li>(36) Priority Date</li> <li>(36) Priority Date</li> <li>(37) Priority Date</li> <li>(36) Pri</li></ul>	PCT/JP2012/064396 04/06/2012 WO 2012/176611 NA NA	<ul> <li>(71)Name of Applicant :</li> <li>1)NAGASAKI INSTITUTE OF APPLIED SCIENCE Address of Applicant :536 Aba machi Nagasaki shi Nagasaki 8510193 Japan</li> <li>2)BIOMASS ENERGY CORPORATION</li> <li>(72)Name of Inventor :</li> <li>1)SAKAI Masayasu</li> <li>2)MURAKAMI Nobuaki</li> <li>3)HASEGAWA Akira</li> </ul>
Number	NA NA	

#### (57) Abstract :

Provided is a method for producing a production gas and an apparatus using the same with which a load may be increased in biomass treatment and the quality of the production gas may be improved. According to the present invention a raw fluid (F2) containing a biomass (M1) is supplied from an upstream edge (22a) toward a downstream edge (22b) in a raw fluid passage (22) separated from the outside by a reaction tube wall (21) and the raw fluid (F2) of the raw fluid passage (22) is heated from the outer side of the raw fluid passage (22) through the reaction tube wall (21) by a first heating medium (F1). The raw fluid passage (22) comprises a first gasification area (23) where a first gasification reaction occurs in which at least part of the biomass is gasified by heating conducted by the first heating medium (F1) and a second gasification area (25) disposed closer to the downstream edge (22b) than to the first gasification area (23). Additional heating of the raw fluid (F2) is conducted by a second heating medium (30) at the second gasification area (25).

No. of Pages : 32 No. of Claims : 16

(21) Application No.2454/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :26/12/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : ULTRASONIC PROBE BIOINFORMATION MEASUREMENT DEVICE AND BIOINFORMATION MEASUREMENT METHOD

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:A61B8/08 :2011-123383 :01/06/2011 :Japan	<ul> <li>(71)Name of Applicant :</li> <li>1)SANYO SOUKEN Address of Applicant :16 25 Nakakokubun 2 Chome Ichikawa shi Chiba 2720835 Japan</li> </ul>
(86) International Application No Filing Date	:PCT/JP2012/064729 :31/05/2012	(72)Name of Inventor : 1)KUROKI Shigehiro
(87) International Publication No (61) Patent of Addition to Application	:WO 2012/165660	2)YAMASHITA Shiro
Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Conventional ultrasonic diagnostic devices have been unable to clearly image the apex of the heart and unable to accurately obtain health information pertaining to the heart. To resolve the aforementioned problem provided is a bioinformation measurement device that can accurately obtain health information by using a linear probe to measure an M mode apex cardiogram improving a data processing device and establishing a useful algorithm for accurate evaluation.

No. of Pages : 58 No. of Claims : 26

(21) Application No.132/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :21/01/2014

(54) Title of the invention : SOLUBLE INTEGRIN 4 MUTANT

(43) Publication Date : 21/11/2014

<ul> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> </ul></li></ul>	:C07K14/71,A61K38/00,A61K39/395 :2011-146164 :30/06/2011 :Japan :PCT/JP2012/004191 :28/06/2012 :WO 2013/001819 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)IMMUNO BIOLOGICAL LABORATORIES CO. LTD. Address of Applicant :1091 1 Naka Aza Higashida Fujioka shi Gunma 3750005 Japan</li> <li>2)GENE TECHNO SCIENCE CO. LTD.</li> <li>(72)Name of Inventor :</li> <li>1)SEITO Tsutomu</li> <li>2)KON Shigeyuki</li> </ul>
Filing Date (62) Divisional to	:NA :NA	
Application Number Filing Date	:NA	

(57) Abstract :

The present invention addresses the problem of providing a novel substance capable of interfering with various functions of integrin a4 and/or providing a novel substance capable of interfering with both integrin a4 and integrin a9. The present invention provides an integrin a4 mutant peptide having one portion of the extracellular domain of human integrin a4 and the like and in concrete terms relates to a peptide and the like having the amino acid sequence of Sequence No. 4 through 9 and a pharmaceutical composition comprising as the active ingredient the same peptide.

No. of Pages : 104 No. of Claims : 17

(21) Application No.210/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :01/02/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : APPARATUS FOR THE LIQUID PHASE SYNTHESIS OF ISOPRENE FROM ISOBUTYLENE AND FORMALDEHYDE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:C07C11/18,C07C2/86 :2011122950 :17/08/2011 :Russia :PCT/RU2011/000916 :22/11/2011 :WO 2013/025122	<ul> <li>(71)Name of Applicant :</li> <li>1)OBSHESTVO S OGRANICHENNOI</li> <li>OTVETSTVENNOSTIU NAUCHNO</li> <li>PROIZVODSTVENNOE OBEDINENIE EUROCHIM Address of Applicant :Mitrofanevskoe shosse 6A liter D</li> <li>St.Petersburg 198095 Russia</li> <li>(72)Name of Inventor :</li> </ul>
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	<ol> <li>1)DYKMAN Arkadii Samuilovich</li> <li>2)SIBAGATULLIN Gamil Gabdrahmanovich</li> <li>3)FEDORCOVA Elena Vladimirovna</li> <li>4)FLEGONTOV Aleksei Mihailovich</li> </ol>

#### (57) Abstract :

The invention relates to an apparatus for the liquid phase synthesis of isoprene from isobutylene and formaldehyde including a unit for synthesizing products of isoprene precursors namely 1 3 dioxanes trimethyl carbinol derived from an isobutylene containing fraction and trimethyl carbinol derived from recycled concentrated isobutylene isolated both from an isoprene synthesis unit and a synthesis product separation and isoprene monomer isolation unit. The apparatus is characterized by a 1 3 dioxane synthesis unit that includes the separation of by products into light medium and heavy fractions from which the light fraction of the by products is supplied for homogeneous decomposition to the isoprene synthesis unit and/or to a by product decomposition unit for combined decomposition with by products obtained during the separation of synthesis products and isolation of isoprene isomers and the medium fraction of by products is assigned for sale and/or is mixed with the light fraction of by products and sent to the by product decomposition unit. Moreover the unreacted isobutylene from a unit for the synthesis of trimethyl carbinol derived from recycled concentrated isobutylene is fed into a unit for the synthesis of trimethyl carbinol from the isobutylene containing fraction and is mixed with said fraction beforehand. The invention reduces the specific consumption of feedstock due to the gain of additional amounts of isoprene from the decomposition of by products and also reduces the production cost of the target product due to the sale of the medium fraction of by products and reduced expenditures on heat energy because there is no need for steam letdown and increases the productivity of the apparatus.

No. of Pages : 11 No. of Claims : 1

(21) Application No.2356/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :13/12/2013

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : PROCESS FOR THE CONVERSION OF ISOMERIC MIXTURE OF DICHLORODIPHENYL SULFONES TO CHLOROBENZENE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:C07C315/00,C07C17/361,C07C317/14 :NA :NA :NA :PCT/IB2012/000731 :12/04/2012 :WO 2013/153412	<ul> <li>(71)Name of Applicant :</li> <li>1)BANDODKAR Hemant Ratanakar Address of Applicant :93 Tarangan Sharmishta Pokhran Rd No 1 Thane West 400 602 Maharashtra India</li> <li>(72)Name of Inventor :</li> <li>1)BANDODKAR Hemant Ratanakar</li> <li>2)SAWANT Dilip Chandrakant</li> </ul>
Publication No		
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a process for the single step conversion of isomeric mixture of dichlorodipheriyi sulfones to chlorobenzene. The invention further relates a process of using dilute sulfuric acid and re circulating the dilute sulfuric acid.

No. of Pages : 7 No. of Claims : 4

(21) Application No.2460/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :27/12/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD OF PROVIDING A PORTABLE TRUE RANDOM NUMBER GENERATOR BASED ON THE MICROSTRUCTURE AND NOISE FOUND IN DIGITAL IMAGES

(51) International classification	:G06F7/58	(71)Name of Applicant :
(31) Priority Document No	:13/177883	1)MUISE Joseph Gerard
(32) Priority Date	:07/07/2011	Address of Applicant :69 Cap Bimet Blvd. Unit 200 Grand
(33) Name of priority country	:U.S.A.	Barachois New Brunswick E4P 6X5, CANADA.
(86) International Application No	:PCT/CA2012/000627	2)LAVOIE Marie Lise
Filing Date	:06/07/2012	(72)Name of Inventor :
(87) International Publication No	:WO 2013/003943	1)MUISE Joseph Gerard
(61) Patent of Addition to Application	:NA	2)LAVOIE Marie Lise
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A method of providing a portable true random number generator based on the microstructure and noise found in digital images is claimed and disclosed. Using the lowest significant bits of digitized images strings of binary data are extracted. These raw strings are shown to pass the DIEHARD NIST and ENT tests for randomness for a robust selection of natural images. This information is available to and may be processed by off the shelf technology including smartphones or other embedded devices without undue constraints on physical and environmental parameters. The method represents a significantly improved portable means of random number generation for all security cryptographic entertainment and PSI applications.

No. of Pages : 31 No. of Claims : 16

(21) Application No.236/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :05/02/2014

(43) Publication Date : 21/11/2014

### (54) Title of the invention : FUEL PRODUCTION APPARATUS

(57) Abstract :

The present invention concerns fuel production apparatus for use with a combustion device. The apparatus comprises a fuel cell (12) for generating a combustible gas for combustion by said combustion device and power supply means (6) for said fuel cell said power supply means comprising means for converting energy from a source of waste energy (2) associated with the combustion device into electrical energy for powering said fuel cell.

No. of Pages : 20 No. of Claims : 16

(21) Application No.2465/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :30/12/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD FOR MANUFACTURING SINTERED ORE AND MANUFACTURING EQUIPMENT FOR SAME AND APPARATUS FOR PROJECTING POWDERED RAW MATERIAL

(51) International classification	:C22B1/16,F27B21/10	(71)Name of Applicant :
(31) Priority Document No	:2011-165730	1)JFE STEEL CORPORATION
(32) Priority Date	:28/07/2011	Address of Applicant :2 3 Uchisaiwai cho 2 chome Chiyoda
(33) Name of priority country	:Japan	ku Tokyo 1000011 Japan
(86) International Application No	:PCT/JP2012/004735	(72)Name of Inventor :
Filing Date	:25/07/2012	1)HIGUCHI Takahide
(87) International Publication No	:WO 2013/014926	2)TAKEUCHI Naoyuki
(61) Patent of Addition to Application	:NA	3)NUSHIRO Kouichi
Number		4)TAMURA Koichi
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The present invention provides a method for manufacturing sintered ore allowing manufacturing of sintered ore ideal as raw material for a blast furnace. When a drum mixer (3) is charged with powdered raw material (15) used for a quasi particle coating after a projection conveyor (8) for projecting the powdered raw material (15) into the drum mixer (3) is moved to a position away from a position above the quasi particles (16) charged in the drum mixer (3) the powdered raw material (15) is projected into the drum mixer (3) preventing the powdered raw material (15) from falling from the projection conveyor (8) onto the quasi particles (16).

No. of Pages : 76 No. of Claims : 14

# (19) INDIA

#### (22) Date of filing of Application :30/12/2013

(54) Title of the invention : TENSIONER

#### (21) Application No.2466/MUMNP/2013 A

(43) Publication Date : 21/11/2014

(+ -)		-
(51) International classification	:F16H7/08	(71)Name of Applicant :
(31) Priority Document No	:NA	1)NHK SPRING CO. LTD.
(32) Priority Date	:NA	Address of Applicant :10 Fukuura 3 chome Kanazawa ku
(33) Name of priority country	:NA	Yokohama shi Kanagawa 2360004, Japan
(86) International Application No	:PCT/JP2011/062634	(72)Name of Inventor :
Filing Date	:01/06/2011	1)KOBAYASHI Takao
(87) International Publication No	:WO 2012/164707	2)ITO Takahiro
(61) Patent of Addition to Application	:NA	3)AMANO Tanehira
Number	:NA :NA	4)TAKAHASHI Ikuomi
Filing Date	.NA	5)KATO Nobuharu
(62) Divisional to Application Number	:NA	6)TAKAHASHI Yoshiyuki
Filing Date	:NA	

#### (57) Abstract :

Provided is a tensioner which has excellent responsiveness with respect to high frequency vibration from an engine and for which the processing of a locking piece can be performed simply and for which there is no restriction to the shape of the locking piece. The tensioner is equipped with: a propulsion member (3) capable of advancing and retracting in the axial direction within a tubular member (1); a propulsion spring (4) that biases the movement of the propulsion member (3) in the advancing direction; locking teeth (1c) formed on the inner surface of the tubular member (1) or the outer surface of the propulsion member (3); and a locking piece (2) on which locking teeth (21) which engage the locking teeth (1c) are formed. The locking piece (2) is equipped with: a load receiving unit (22) that receives the load when the propulsion member (3) is retracted; two rows or more of locking teeth forming parts (23) on which the locking teeth (21) are formed; and connecting parts (24) that integrally connect the locking teeth forming parts (23). The locking piece is capable of rotating with respect to the tubular member (1) and the propulsion member (3).

No. of Pages : 39 No. of Claims : 6

(21) Application No.2467/MUMNP/2013 A

#### (19) INDIA

(22) Date of filing of Application :30/12/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PROCESS FOR THE PREPARATION OF FLUTICASONE PROPIONATE FORM 1

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C07J7/00 :61/505612 :08/07/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)PFIZER LIMITED</li> <li>Address of Applicant :Ramsgate Road Sandwich Kent CT13</li> </ul>
(33) Name of priority country	:U.S.A.	9NJ (GB) U.K.
(86) International Application No	:PCT/US2012/045660	(72)Name of Inventor :
Filing Date	:06/07/2012	1)TICEHURST Martyn David
(87) International Publication No	:WO 2013/009591	2)MARZIANO Ivan
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)KOUGOULOS Eleftherios
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a novel crystallisation process for preparing fluticasone propionate as crystalline form 1 polymorph with controlled particle size and suitable for micronisation. Said process comprises the step of dissolving fluticasone propionate in acetone or in a mixture of acetone and water and then adding this solution to water or to a mixture of water 10 and acetone thereby causing fluticasone propionate to crystallise out of the solution as crystalline form

No. of Pages : 29 No. of Claims : 16

(21) Application No.2365/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :13/12/2013

(54) Title of the invention : DUAL WHEELS WITH COMMON HUB ADAPTER

#### (43) Publication Date : 21/11/2014

	D (0D 11/0 (	
(51) International classification	:B60B11/06	(71)Name of Applicant :
(31) Priority Document No	:NA	1)HUTCHINSON SA
(32) Priority Date	:NA	Address of Applicant :2 Rue Balzac F 75908 Paris FRANCE.
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:PCT/US2011/037232	1)NOBLANC Olivier
Filing Date	:19/05/2011	2)RESARE Lars Johan
(87) International Publication No	:WO 2012/158176	3)POYRAZLI Aysel
(61) Patent of Addition to Application	:NA	4)SHERMAN Matthew P.
Number		5)ROGERS Larry K.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A dual wheel assembly for a vehicle having a common hub adapter. The assembly includes an inner wheel having an inner rim; an outer wheel having an outer rim; and a hub portion having a central cylindrical portion disposed between first and second end face portions wherein the inner rim is mounted to the first end portion and the outer rim is mounted to the second end face portion. The assembly may further include radially spaced apart holes disposed on the central cylindrical portion wherein the holes have end openings on opposite sides thereof and first and second fasteners extending in opposite directions from the first and second end portions of the hub portion. Each of the first and second fasteners extends through an end opening of a spaced apart hole and through the inner rim and outer rim respectively.

No. of Pages : 28 No. of Claims : 13

(21) Application No.2470/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :31/12/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SPORTS GARMENT

(31) Priority Document No       :1109405.9       Image: Constraint of the second secon	<ul> <li>1)SPEEDO INTERNATIONAL LIMITED Address of Applicant :8 Manchester Square London Greater London W1 3PH U.K.</li> <li>72)Name of Inventor : <ol> <li>WALLER Tom</li> <li>JOHNSON Chris</li> <li>NEAL Melanie</li> <li>YANTRY Joseph</li> </ol> </li> </ul>
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(57) Abstract :

The present invention provides a garment (1) for covering a wearer s thighs. The garment comprises a pair of front resistance elements (6) each of which in use extends obliquely across the front of a respective one of the wearer s thighs. It also comprises a pair of rear resistance elements (10) each of which in use extends obliquely across the rear of a respective one of the wearer s thighs. Each of the front and rear resistance elements extends from a respective upper position(7 11) located proximal to the midline (8) of the garment to a respective lower position (9 12) located distal from the midline of the garment. This provides a stabilising effect on the wearer s hip joint.

No. of Pages : 30 No. of Claims : 18

(21) Application No.2471/MUMNP/2013 A

### (19) INDIA

(22) Date of filing of Application :31/12/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : WEBPAGE RE-TYPESETTING METHOD WEBPAGE RE -TYPESETTING DEVICE AND MOBILE TERMINAL

(51) International classification	:G06F17/25	(71)Name of Applicant :
	:2011-10451006.7	
(31) Priority Document No		1)UC MOBILE LIMITED
(32) Priority Date	:29/12/2011	Address of Applicant :Room 10 20 16F No. 29 Viva Building
(33) Name of priority country	:China	Suzhou Street Haidian District Beijing 100080 China
(86) International Application No	:PCT/CN2012/086935	2)GUANGZHOU UCWEB COMPUTER TECHNOLOGY
Filing Date	:19/12/2012	CO. LTD
(87) International Publication No	:WO 2013/097638	(72)Name of Inventor :
(61) Patent of Addition to Application	:NA	1)LIANG Jie
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
6		

#### (57) Abstract :

A method and system for adjusting webpage layout are disclosed. The method includes calculating a width for displaying an image on a webpage: determining whether the image is inserted in a segment of text of the webpage: and adjusting the size of the image display based on a mobile terminals screen width and the width for displaying the image, if the image is inserted in the segment of text of the webpage. The disclosed methods and systems adjust the images on a webpage based on the width of the image and the screen width of a mobile terminal. As such, an adjusted webpage can be viewed by scrolling up and down the display screen. In addition, a users online experience may be further improved by adjusting the images on the webpage to be left justified and aligned with the text oil the page, A user does not need to scroll horizontally (e.g., from left to right) to read the webpage including the images.

No. of Pages : 30 No. of Claims : 15

(21) Application No.2472/MUMNP/2013 A

#### (19) INDIA

(22) Date of filing of Application :31/12/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ROBOTIZED SYSTEM FOR DISPLACING A REMOTELY GUIDED TOOL :B25J9/04,B25J18/00 (71)Name of Applicant : (51) International classification (31) Priority Document No :11/02082 1)ADVANCED ECHO TECHNOLOGY :01/07/2011 (32) Priority Date Address of Applicant :Le Vivier 41310 Huisseau en Beauce, (33) Name of priority country :France France (86) International Application No :PCT/IB2012/001290 (72)Name of Inventor : Filing Date :29/06/2012 1)LOUSTAUDAUDINE Christophe (87) International Publication No :WO 2013/005088 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract :

The subject of the invention is a robotized system 10 of the type comprising a support onto which is placed an assembly of articulated arms at the end of which is disposed a tool 12 in contact with a determined work surface the system allowing the displacement of the tool in rotation about the point of contact of the tool with the work surface in accordance with signals for controlling a module 14 suitable for calculating them as a function of the remote handling of a virtual tool. The system is suitable for moving the point of contact of the tool in translation and this translation is controlled by the module in terms of polar coordinates so as to have an angular displacement of constituent elements of said support and a radial displacement of constituent elements of this same support. The invention is more particularly useful in respect of tele echography operations.

No. of Pages : 29 No. of Claims : 11

(21) Application No.129/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :21/01/2014

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD FOR DETERMINING THE ACTIVITY OF A PROTEOLYTIC ENZYME (VARIANTS) DEVICE FOR THE IMPLEMENTATION OF SAME AND DIAGNOSTIC METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:PCT/RU2012/000570 :16/07/2012 :WO 2013/015717 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)OBSCHESTVO S OGRANICHENNOY</li> <li>OTVETSTVENNOSTYU «GEMATOLOGICHESKAYA</li> <li>KORPORATSIYA» <ul> <li>Address of Applicant :4 th ulitsa 8 Marta 3 Moscow 125319</li> </ul> </li> <li>RUSSIA</li> <li>(72)Name of Inventor : <ul> <li>1)ATAULLAKHANOV Fazoil Inoyatovich</li> <li>2)DASHKEVICH Natalya Mikhailovna</li> <li>3)OVANESOV Mikhail Vladimirovich</li> <li>4)SARBASH Vasilii Ivanovich</li> <li>5)PANTELEEV Mikhail Aleksandrovich</li> <li>6)KARAMZIN Sergey Sergeevich</li> <li>7)KONDRATOVICH Andrey Yurjevich</li> </ul> </li> </ul>
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(57) Abstract :

The invention relates to the field of biotechnology. The method for determining the spatial and temporal distribution of the activity of a proteolytic enzyme in an heterogeneous system such as blood or blood plasma involves the introduction of a luminescent fluorogenic or chromogenic substrate into a sample with the subsequent release of a detectable tag as the proteolytic enzyme cleaves the substrate and the recording of the optical characteristics of the sample which makes it possible to assess the spatial and temporal distribution of the activity of the enzyme. The device for the implementation of the above method comprises an system a means for illuminating the sample a recording means and a control means. A method for diagnosing homeostatic imbalances according to a change in the spatial and temporal distribution of the activity of a proteolytic enzyme in a blood sample is also proposed.

No. of Pages : 54 No. of Claims : 24

(21) Application No.151/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :24/01/2014

(43) Publication Date : 21/11/2014

### (54) Title of the invention : NOTCH PATHWAY SIGNALING INHIBITOR COMPOUND

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li></ul>	:C07K5/06,A61K38/05,C07D401/04 :61/512016	<ul> <li>(71)Name of Applicant :</li> <li>1)ELI LILLY AND COMPANY Address of Applicant :Lilly Corporate Center Indianapolis</li> </ul>
<ul><li>(32) Priority Date</li><li>(33) Name of priority</li><li>country</li></ul>	:27/07/2011 :U.S.A.	Indiana 46285 U.S.A. (72)Name of Inventor : 1)HIPSKIND Philip Arthur
(86) International Application No Filing Date	:PCT/US2012/047100 :18/07/2012	2)STEPHENSON Gregory Alan
(87) International Publication No	<sup>1</sup> :WO 2013/016081	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention provides a compound or a pharmaceutically acceptable salt or hydrate and a pharmaceutical composition containing said compound or a pharmaceutically acceptable salt or hydrate useful as a Notch pathway signaling inhibitor for the treatment of cancer

No. of Pages : 49 No. of Claims : 12

#### (21) Application No.230/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :04/02/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD FOR FORMING A TUBULAR CONTAINER FOR FOOD PRODUCTS AND RESULTING TUBE

(51) International classification	:B65D75/38	(71)Name of Applicant :
(31) Priority Document No	:P201131146	1)NEVOT BANUS Jordi
(32) Priority Date	:06/07/2011	Address of Applicant :C/ Finlandia 17 19 1r. 5ª E 08211
(33) Name of priority country	:Spain	Castellar del Valles (Barcelona) Spain
(86) International Application No	:PCT/ES2012/070505	(72)Name of Inventor :
Filing Date	:06/07/2012	1)NEVOT BANUS Jordi
(87) International Publication No	:WO 2013/004880	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11A	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The invention relates to a method for forming a tubular container for food products and to the resulting container. The method comprises the following steps performed on a flexible sheet (3): a) folding or rolling a portion of the flexible sheet (3) in order to form a first tubular body (1); b) sealing one of the bases (1a) of the first tubular body (1); c) folding or rolling the rest of the flexible sheet (3) which does not form part of the first tubular body (1) concentrically around the first tubular body (1) forming a second tubular body (2) outside the first tubular body (1); and d) joining part of the final longitudinal end of the inner surface of the second tubular body (2) to part of the outer surface of the first tubular body (1) forming two independent cavities namely a first cavity (4) inside the first tubular body (1) and a second cavity (5) inside the second tubular body (2) and outside the first tubular body (1).

No. of Pages : 19 No. of Claims : 10

(21) Application No.251/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/02/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : NOVEL COMPOSITIONS AND USES THEREOF

	:A61K31/455,	(71)Name of Applicant :
(51) International classification	A61K31/194,	1)FOLLICUM AB
	A61K31/198	Address of Applicant :Lund University Bioscience AB
(31) Priority Document No	:1113770.0	Scheelevgen 15 S 223 70 Lund Sweden
(32) Priority Date	:10/08/2011	(72)Name of Inventor :
(33) Name of priority country	:U.K.	1)ALENFALL Jan
(86) International Application No	:PCT/GB2012/051955	2)DUN‰R Pontus
Filing Date	:10/08/2012	3)HULTGRDH NILSSON Anna
(87) International Publication No	:WO 2013/021212	
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides a composition for stimulating hair growth in a mammal comprising a modified osteopontin polypeptide in which an RGD domain is inactivated; and a pharmaceutically acceptable and/or cosmetically acceptable excipient carrier or diluent. The invention further provides methods of stimulating hair growth in a mammal.

No. of Pages : 76 No. of Claims : 111

(21) Application No.2437/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : SPHERICAL PLAIN BEARING WITH CONSTANT TORQUE

(51) International classification	:F16C23/04,F16C25/06,F16C27/02	(71)Name of Applicant : 1)SCHAUBLIN SA
(31) Priority Document No	:NA	Address of Applicant :CH 2800 Delemont Switzerland
(32) Priority Date	:NA	(72)Name of Inventor :
(33) Name of priority country	:NA	1)CHARMILLOT Philippe
(86) International Application No Filing Date	:PCT/EP2011/061013 :30/06/2011	
(87) International Publication No	:WO 2013/000517	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A spherical plain bearing (10 110 210) is defined by a flexible ball (12 111) rotatably engaged with an outer race (14). The flexible ball (12 111) defines a bore (18 218) extending at least part way therethrough for receiving a shaft (40 140 240). The outer race (14) has an inner engagement surface (16) contoured to complementarily receive at least a portion of an outer surface (15) defined by the flexible ball (12 111). The flexible ball (12 111) is positioned within the outer race (14) and is engaged with the inner engagement surface (16) thereof such that when the flexible ball (12 111) slides and/or rotates relative to the outer race (14) a diameter of the flexible ball (12 111) varies. In doing so a substantially constant torque can be maintained in the spherical plain bearing (10 110 210). The flexible ball (12 111) may include two halves (112 113) connected to one another to define the bore (18 218) extending therethrough.

No. of Pages : 17 No. of Claims : 5

(21) Application No.2438/MUMNP/2013 A

#### (19) INDIA

#### (22) Date of filing of Application :24/12/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : FORMING FABRICS

(51) International classification	:D21F1/00	(71)Name of Applicant :
(31) Priority Document No	:10/985,571	1)ALBANY INTERNATIONAL CORP.,
(32) Priority Date	:11/11/2004	Address of Applicant :1373 BROADWAY ALBANY NEW
(33) Name of priority country	:U.S.A.	YORK 12204 U.S.A.
(86) International Application No	:PCT/US2005/039860	(72)Name of Inventor :
Filing Date	:02/11/2005	1)EAGLES Dana
(87) International Publication No	:WO 2006/052689	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:604/MUMNP/2007	
Filed on	:25/04/2007	
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(57) Abstract :

A papermaker<sup>TM</sup>s fabric for use as a forming fabric. The fabric may include bondable or meltable monofilament yarns which may be formed from materials that retain substantial strength and tenacity after thermal treatment. Further, the remaining yarns in the forming fabric may be formed from materials that have a higher melting temperature than the monofilament material that will be thermally bonded or melted.

No. of Pages : 24 No. of Claims : 14

(21) Application No.3/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :02/01/2014

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : GAS LIQUID SOLID THREE PHASE REACTOR AND USE THEREOF

classification       :B0138/04,C07C211/10,C07C209/00         (31) Priority Document No       :201110331965.5         (32) Priority Date       :27/10/2011         (33) Name of priority       :China	<ul> <li>(71)Name of Applicant :</li> <li>1)DALIAN INSTITUTE OF CHEMICAL PHYSICS</li> <li>CHINESE ACADEMY OF SCIENCES <ul> <li>Address of Applicant :457 Zhongshan Road Dalian Liaoning</li> </ul> </li> <li>116023 China <ul> <li>(72)Name of Inventor :</li> <li>1)CHEN Shuguang</li> <li>2)AN Lihua</li> <li>3)DING Yunjie</li> </ul> </li> </ul>
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(57) Abstract :

A gas liquid solid three phase reactor comprising a reactor cylinder (1) with a catalyst support disc (2) a gas liquid dispensing disc (4) and a liquid distributing pipe (3) provided inside the cylinder (1) in succession from bottom to top along the cylinder (1) wherein the catalyst support disc (2) the liquid distributing pipe (3) and the gas liquid dispensing disc (4) are arranged radially along the cylinder (1); the gas liquid dispensing disc (4) has a plate like structure provided with holes extending through the top and bottom surfaces of the plate; the liquid distributing pipe (3) has a hollow tubular structure the surface of the pipe being provided with small holes extending through the inner and outer surfaces of the pipe body the liquid distributing pipe (3) being connected with a lateral feed port (9) provided on the side wall face of the cylinder (1); the side wall face of the cylinder (1) above the catalyst support disc (2) is provided with a catalyst discharge port (11); and a top feed port (8) is provided at the top of the cylinder (1) and a bottom discharge port (10) is provided at the bottom of the cylinder (1). The reactor is suitable for a gas liquid solid three phase reaction at a temperature of 0 400°C and a pressure of 0 30.0 MPa and can be used in the reaction for preparing ethylenediamine with ethanolamine and ammonia as raw materials in the presence of hydrogen.

No. of Pages : 15 No. of Claims : 11

(21) Application No.231/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :04/02/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : MULTI CLOCK REAL TIME COUNTER

<ul> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> </ul>	3/179852 1/07/2011 J.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :Attn: International IP Administration</li> <li>5775 Morehouse Drive San Diego California 92121 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)SEVERSON Matthew Levi</li> </ul>
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#### (57) Abstract :

A shared real time counter is configured to provide an accurate counter output based on a fast clock period when driven by a fast clock signal or by a slow clock signal. Combinational logic circuitry provides glitch free switching between a fast clock signal input to the counter and a slow clock input to the counter. The counter is always on and increases its count by an appropriate rational number of counts representing fast clock cycles for every cycle of the fast clock while in a fast clock mode and by an appropriate rational number of fast clock periods for every cycle of the slow clock signal while in a slow clock mode.

No. of Pages : 22 No. of Claims : 14

(21) Application No.2413/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :23/12/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD AND ARRANGEMENT FOR PROVIDING AND MANAGING INFORMATION LINKED TO RFID DATA STORAGE MEDIA IN A NETWORK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:G06Q10/08 :10 2011 103 740.7 :31/05/2011 :Germany :PCT/EP2012/001765	<ul> <li>(71)Name of Applicant :</li> <li>1)SMARTRAC IP B.V. Address of Applicant :Strawinskylaan 851 NL 1077 XX Amsterdam Netherlands.</li> <li>(72)Name of Inventor :</li> </ul>
Filing Date (87) International Publication No	:25/04/2012 :WO 2012/163452	1)RIETZLER Manfred
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The invention relates to a method for providing and managing information linked to RFID data storage media in a network wherein the method comprises data transmission between an RFID data storage medium and an RFID reading unit integrated in a mobile radio for reading the data stored on the RFID data storage medium and also setup of a data link to a network server in a network via a radio interface of the mobile radio. According to the invention the RFID data storage medium is allocated a data memory area on the network server. In addition the invention relates to an arrangement for providing and managing information linked to RFID data storage media in a network having an RFID data storage medium a mobile radio with an integrated RFID reading unit for reading RFID data records and having a network with a network server wherein according to the invention the network server has a data memory area which is associated with the RFID data storage medium.

No. of Pages : 22 No. of Claims : 27

(21) Application No.28/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :07/01/2014

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : DETECTOR FOR THE DETECTION OF CHEMICAL WARFARE AGENTS, PRODUCTION METHOD, AND USE OF A SUBSTRATE AS A WARFARE AGENTDETECTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> </ul>	33/22 :102006053890.0 :14/11/2006 :Germany :PCT/DE07/002040 :12/11/2007 :WO 2008/058518 :NA :NA	2)HELMIG, ANDREAS 3)GARRIDO, JOSE, ANTONIO 4)MUELLER, GERHARD
(62) Divisional to Application Number Filed on	:931/MUMNP/2009 :11/05/2009	

(57) Abstract :

The invention relates to a detector for detecting highly toxic gaseous or vaporized hazardous substances or warfare agents. In order to be able to detect such substances quickly and easily at ambient temperature, a substrate comprising a hydrogen (H)-terminated or hydrogenated surface is used as a warfare agent detector. The substrate is equipped with a measuring instrument for measuring shifts of surface charges on the hydrogen (H)-terminated or hydrogenated surface. The substrate is made of a semiconductor material or a non-conductive material that has surface conductivity.

No. of Pages : 20 No. of Claims : 20

(21) Application No.33/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :09/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : TRIVINYLCYCLOHEXANE STEREOISOMERIC COMPOSITIONS AND METHODS FOR PREPARING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:61/508336 :15/07/2011 :U.S.A. :PCT/US2012/046467 :12/07/2012 :WO 2013/012678 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)MOMENTIVE PERFORMANCE MATERIALS INC. Address of Applicant :260 Hudson River Road Waterford NY</li> <li>12188 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)CRUSE Richard W.</li> <li>2)KHARE Vivek</li> <li>3)KOWALSKI Jozef</li> <li>4)STANCZYK Wlodzimierz</li> </ul>
Application Number Filing Date (62) Divisional to Application	:NA	

(57) Abstract :

Disclosed herein is a process for making 1 2 4- trivinylcyclohexane that is enriched in a particular geometric isomer. The process involves the thermal isomerization of 1 5 9 cyclododecatriene at temperature between 400°C and 600°C followed by an equilibration of the resultant intermediate in either the gas phase or liquid phase at temperature between 180°C and 375°C and at pressures ranging from 0.101 kPa to 1 013 kPa. Also disclosed are 1 2 4 trivinylcyclohexane compositions that are enriched in a particular geometric isomer.

No. of Pages : 27 No. of Claims : 21

(21) Application No.2447/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :26/12/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : INTERFACE OF A WELDING POWER SOURCE AND METHOD FOR DEFINING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> </ul>	:B23K9/10 :A 1040/2011 :14/07/2011 :Austria :PCT/AT2012/050099 :10/07/2012 :WO 2013/006884 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)FRONIUS INTERNATIONAL GMBH Address of Applicant :FRONIUSSTRASSE 1, 4643</li> <li>PETTENBACH, AUSTRIA</li> <li>(72)Name of Inventor :</li> <li>1)SPISIC Bernhard</li> <li>2)EISENKOLB Thomas</li> <li>3)KLIEMSTEIN Patrick</li> </ul>
Number		3)KLIEMSTEIN Patrick
<ul><li>(62) Divisional to Application Number</li><li>Filing Date</li></ul>	:NA :NA	

(57) Abstract :

The invention relates to a method for defining an interface (32 42 52 62) of a welding power source (31 41 51 61) for communication with an external machine (26) that is connected to the interface. A freely configurable interface is used in the welding device said interface being configured and activated via software directly via the operating panel of the welding power source or an external device that can be connected to the welding power source. A parameter of the welding device is allocated to an internal and/or external connection (101...105). Optionally a link is established by stringing together graphic symbols of the software. The invention further relates to a welding power source (31 41 51 61) and to a computer program which are set up for performing or storing the process according to the invention.

No. of Pages : 40 No. of Claims : 11

(21) Application No.2448/MUMNP/2013 A

### (19) INDIA

(22) Date of filing of Application :26/12/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : WELDING POWER SOURCE AND METHOD FOR CONTROLLING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:12/07/2012 :WO 2013/006885 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)FRONIUS INTERNATIONAL GMBH Address of Applicant :FRONIUSSTRASSE 1, 4643</li> <li>PETTENBACH, AUSTRIA</li> <li>(72)Name of Inventor :</li> <li>1)SPISIC Bernhard</li> <li>2)EISENKOLB Thomas</li> <li>3)KLIEMSTEIN Patrick</li> </ul>

(57) Abstract :

The invention relates to a method for configuring an interface of a welding power source (31 41 51 61 81 91) said interface comprising at least one external connection (201/206). Defined graphic symbols of a software are used for configuration the edges of said graphic symbols having bulges and/or indentations which interlockingly engage with corresponding bulges and/or indentations of a second graphic symbol. The configuration process comprises the allocation of a parameter of the welding device to an internal and/or external connection (101...105) and optionally establishing a logic link by stringing the graphic symbols together. The invention further relates to a welding power source (31 41 51 61 81 91) and to a computer program which are set up for performing or storing the process according to the invention.

No. of Pages : 45 No. of Claims : 15

(19) INDIA

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(22) Date of filing of Application :26/12/2013

(43) Publication Date : 21/11/2014

(21) Application No.2449/MUMNP/2013 A

(54) Title of the invention : METHOD AND APPARATUS FOR DETERMINING AND UTILIZING VALUE OF DIGITAL ASSETS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:G06Q40/08 :13/174545 :30/06/2011 :U.S.A. :PCT/US2012/045051 :29/06/2012 :WO 2013/003778 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM Incorporated Address of Applicant :Attn: International IP Administration</li> <li>5775 Morehouse Drive San Diego CA 92121 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)HAWKES Philip</li> <li>2)GANTMAN Alexander</li> <li>3)MCDONALD Cameron A</li> <li>4)WIGGERS DE VRIES Miriam M.</li> <li>5)NORTHWAY Craig W.</li> <li>6)BROWN Craig M.</li> </ul>
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(57) Abstract :

Systems and methods for protecting digital assets (40) associated with a computing device are described herein. An example of a method according to the disclosure includes assigning at least one asset worth value to respective digital assets (40) associated with a device (10), computing at least one device worth value using the at least one asset worth value assigned to the digital assets (40) associated with the device (10), identifying at least one device worth value threshold, performing a comparison of the at least one device worth value threshold, and initiating at least one action with respect to the digital assets (40) associated with the device (10) based on the comparison.

No. of Pages : 38 No. of Claims : 84

(21) Application No.332/MUM/2013 A

# (19) INDIA

(22) Date of filing of Application :18/02/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : SYNTHESIS OF RESORCYLIC ACID

	:C07C69/92,	(71)Name of Applicant :
(51) International classification	C07C67/46,	1)GHARDA CHEMICALS LTD.
	C07C67/343	Address of Applicant :B-27/29, MIDC, DOMBIVLI (E)
(31) Priority Document No	:NA	THANE-421203, MAHARASHTRA, INDIA
(32) Priority Date	:NA	(72)Name of Inventor :
(33) Name of priority country	:NA	1)MATHUR SUCHET S.
(86) International Application No	:NA	2)PARKAR SURESHKUMAR D.
Filing Date	:NA	3)DAMANIA PRAGNESH D.
(87) International Publication No	: NA	4)JAGTAP NANDKISHOR S.
(61) Patent of Addition to Application Number	:NA	5)KALIRAJAN A.
Filing Date	:NA	6)KHAMKAR RAHUL H.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to a process for the preparation of 2, 6-dihydroxybenzoic acid, said process comprises carboxylating resorcinol in the presence of carbon dioxide and at least one base in at least one solvent at a temperature ranging between 100 and 200 °C to obtain a mixture containing 2, 6-dihydroxybenzoic acid, 2, 4-dihydroxybenzoic acid and 4, 6-dihydroxyisophthalic acid; and acidifying said mixture with at least one acid to obtain purified 2, 6-dihydroxybenzoic acid.

No. of Pages : 18 No. of Claims : 10

(21) Application No.211/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :01/02/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : SYSTEM FOR GASTROINTESTINAL AND VASCULAR ATROPHY ENGINEERING TO RESTORE NORMAL YOUTHFUL BODILY FUNCTIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:A61H1/00 :13/206252 :09/08/2011 :U.S.A. :PCT/US2012/049349	<ul> <li>(71)Name of Applicant :</li> <li>1)LACY Franklin R. Address of Applicant :1083 N. Collier Boulevard #402 Marco Island FL 34145 U.S.A.</li> <li>(72)Name of Inventor :</li> </ul>
Filing Date	:02/08/2012	1)LACY Franklin R.
(87) International Publication No	:WO 2013/022706	
(61) Patent of Addition to Application	:NA	
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The system includes one or more devices to improve performance of selected internal organs by stimulating the organs through vibrating action of the device to restore their normal youthful function. Sources of vibration include a capsule which can be swallowed or a larger member that is introduced through the rectum or esophagus or applied into the abdominal cavity with or without incision. These vibration sources are either implanted and inserted for natural passage along the digestive tract or they are retained at the end of a flexible shaft of length sufficient to reach their deepest intended placement from access through the mouth or rectum. Additionally in the case of the vibrating capsule it can be swallowed as well as implanted and released for natural passage along the small intestine and colon. The capsule can also be retained at the end of a flexible controllable shaft of length sufficient to reach past the duodenum. The flexible shaft movement is controllable to increase effectiveness.

No. of Pages : 16 No. of Claims : 22

(21) Application No.220/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :03/02/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : HYDROMETHANATION OF A CARBONACEOUS FEEDSTOCK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:15/08/2012 :WO 2013/025808 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)GREATPOINT ENERGY INC. Address of Applicant :222 Third Street Suite 2163 Cambridge MA 02142 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)SIRDESHPANDE Avinash</li> </ul>
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to processes for hydromethanating a carbonaceous feedstock to a hot methane enriched synthesis gas in which heat energy from the hot methane enriched synthesis gas is used to generate a dry saturated steam stream and the dry saturated steam stream is converted into a superheated steam stream via pressure drop for feeding into the hydromethanation reactor to satisfy the steam demand of the hydromethanation reaction.

No. of Pages : 58 No. of Claims : 10

(21) Application No.237/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :05/02/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : INFORMATION PROCESSING DEVICE INFORMATION PROCESSING METHOD AND PROGRAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(2) Distributes the Application Number</li> </ul>	:2011-173930 :09/08/2011 :Japan :PCT/JP2012/004333 :04/07/2012 :WO 2013/021544 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SONY CORPORATION <ul> <li>Address of Applicant :1 7 1 Konan Minato ku Tokyo 1080075</li> </ul> </li> <li>Japan <ul> <li>(72)Name of Inventor :</li> <li>1)OHASHI Yoshinori</li> </ul> </li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An information processing device may include a control unit to control movement of an image related to content within a

predetermined area of a display and a display format of the image based on at least one of a category of the content to which the image is related or meta information corresponding to the content to which the image is related.

No. of Pages : 37 No. of Claims : 20

(21) Application No.335/MUM/2013 A

## (19) INDIA

(22) Date of filing of Application :05/02/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : SLIDE RAIL DEVICE FOR VEHICLE		
<ul> <li>(54) Title of the invention : SLIDE RAIL DEVICE</li> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>		(71)Name of Applicant : 1)SHIROKI CORPORATION Address of Applicant :2, KIRIHARA-CHO, FUJISAWA-SHI, KANAGAWA, 252-0811 Japan (72)Name of Inventor : 1)HAYASHI, NAOKI
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A slide rail device for a vehicle includes a lower rail; an upper rail supported on the lower rail to be slidably movable relative thereto; a lock mechanism between the upper and lower rails; a lock-operation lever inserted into the upper rail; a rotational supporter supporting the lock-operation lever to be mtatable between locked and unlocked positions; a handle; a biasing spring having an engaging portion which engages with the lock-engaging portion so that the en.gaging portion is immovable relative to the lockengaging portion wherein the biasing spring supports the rear-end portion of the handle; and a spring support portion, provided on the upper rail, which is positioned immediately below the biasing spring and prevents the biasing spring from falling downward from an underside opening of the lock-operation lever when the rotational supporter supports the lock-operation lever

No. of Pages : 40 No. of Claims : 3

(21) Application No.138/MUMNP/2014 A

## (19) INDIA

(22) Date of filing of Application :22/01/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD OF MANUFACTURING SYNTHETIC ESTERS

<ul> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> </ul>	:PCT/PL2013/000031 :12/03/2013	<ul> <li>(71)Name of Applicant :</li> <li>1)CHEMENERGIA KORZENIOWSKI WACLAW Address of Applicant :Ul. Kruczkowskiego 14 33 101 Tarnow Poland</li> <li>(72)Name of Inventor :</li> <li>1)KORZENIOWSKI Waclaw</li> <li>2)KORZENIOWSKI Lukasz</li> <li>3)KORZENIOWSKI Krzysztof</li> </ul>
(87) International Publication No	:WO 2013/141726	
Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract :

A method to manufacture synthetic esters from a liquid stream formed during a cyclohexane oxidation process and the liquid stream contains acids peroxides hydroxycaproic acid esters esters of cyclohexaneodiols lactones products of cyclic compounds condensation as well as water and this method is characterized by that the liquid stream undergoes an initial process of reducing peroxide compounds and peroxy acids with the use of a methanol and water solution of formaldehyde and the reduced products are next esterified in the presence of a catalyst and methanol and next the esterification mixture obtained is distilled and the distillates produced are trans esterified with the use of polyhydroxy alcohols.

No. of Pages : 17 No. of Claims : 11

(21) Application No.2/MUMNP/2014 A

## (19) INDIA

(22) Date of filing of Application :02/01/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHODS AND COMPOSITIONS RELATED TO RECYCLING POLYMER WASTE

(51) International classification	:C08J11/04,C08K9/04,C09C1/02	(71)Name of Applicant ·
(31) Priority Document No	:11290277.0	1)IMERYS MINERALS LIMITED
(32) Priority Date	:20/06/2011	Address of Applicant :Par Moor Centre Par Moor Road Par
(33) Name of priority country	:EPO	Cornwall PL24 2SQ U.K.
(86) International Application	:PCT/EP2012/061722	(72)Name of Inventor :
No	:19/06/2012	1)DANVERS Nigel Julian Keith
Filing Date		2)SLATER John
(87) International Publication No	o:WO 2012/175504	
(61) Patent of Addition to	:NA	
Application Number Filing Date	:NA	
(62) Divisional to Application		
Number	:NA	
Filing Date	:NA	

(57) Abstract :

Polymer compositions for example recycled polymer compositions processes for the production thereof functional fillers for use in said compositions and articles formed from the polymer compositions.

No. of Pages : 53 No. of Claims : 35

(21) Application No.20/MUMNP/2014 A

## (19) INDIA

(22) Date of filing of Application :06/01/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : SPEECH RECOGNITION USING LOOSELY COUPLED COMPONENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:G10L15/00 :61/496341 :13/06/2011 :U.S.A. :PCT/US2012/041955 :11/06/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)MMODAL IP LLC Address of Applicant :9009 Carothers Parkway Suite C 2</li> <li>Franklin TN 37067 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)KOLL Detlef</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

An automatic speech recognition system includes an audio capture component a speech recognition processing component and a result processing component which are distributed among two or more logical devices and/or two or more physical devices. In particular the audio capture component may be located on a different logical device and/or physical device from the result processing component. For example the audio capture component may be on a computer connected to a microphone into which a user speaks while the result processing component may be on a terminal server which receives speech recognition results from a speech recognition processing server.

No. of Pages : 51 No. of Claims : 49

(21) Application No.27/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :07/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : CONTEXTS FOR COEFFICIENT LEVEL CODING IN VIDEO COMPRESSION

(51) International classification (31) Priority Document No	:H04N7/50 :61/502737	(71)Name of Applicant : 1)QUALCOMM INCORPORATED
(32) Priority Date	:29/06/2011	Address of Applicant :5775 Morehouse Drive Attn:
(33) Name of priority country	:U.S.A.	International IP Administration San Diego California 92121 1714
(86) International Application No	:PCT/US2012/045088	U.S.A.
Filing Date	:29/06/2012	(72)Name of Inventor :
(87) International Publication No	:WO 2013/003798	1)SOLE ROJALS Joel
(61) Patent of Addition to Application	:NA	2)JOSHI Rajan Laxman
Number	:NA	3)KARCZEWICZ Marta
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

This disclosure describes techniques for coding video data. In particular this disclosure describes techniques for entropy coding of residual transform coefficients generated by a video coding process. In one example a method selects a bin 2 context for coding a bin 2 level of one or more transform coefficients in the vector according to the entropy coding process. The method further codes the bin 2 level of one or more transform coefficients in the vector according to the selected bin 2 context. Selecting the bin 2 context for a current transform coefficient in the vector based on the bin 2 level of one or more previously coded transform coefficients in the vector.

No. of Pages : 49 No. of Claims : 41

N (21) Application No.405/MUM/2013 A

### (19) INDIA

(22) Date of filing of Application :11/02/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : WATER SOLUBLE/COLLAPSIBLE PAPER BAGS.

	·B65D	(71)Name of Applicant :
(51) International classification	30/00	1)THE KELKAR EDUCATION TRUST'S SCIENTIFIC
(31) Priority Document No	:NA	RESEARCH CENTRE
(32) Priority Date	:NA	Address of Applicant : V.G. VAZE COLLEGE CAMPUS,
(33) Name of priority country	:NA	MITHAGAR ROAD, MULUND (EAST), MUMBAI - 400 081,
(86) International Application No	:NA	MAHARASHTRA, INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)THERGAONKAR, RENUKA
(61) Patent of Addition to Application Number	:NA	2)TORASKAR, SAMRAT
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Disclosed herein is Water soluble/collapsible paper bags which are soluble at room temperature comprising Hydroxy Propyl Methyl Cellulose in combination with solubility enhancing agent. The invention further discloses a water-soluble cream bag comprising a soluble cream product in water soluble paper bag composed of HPMC and solubility enhancing agent, wherein, the water soluble bag is soluble in water at room temperature.

No. of Pages : 11 No. of Claims : 8

(21) Application No.2444/MUMNP/2013 A

#### (19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DYNAMIC INTERACTIVE IDENTITY AUTHENTICATION METHOD AND SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:H04L9/32 :NA :NA :NA :PCT/CN2011/000899 :26/05/2011 :WO 2012/159225 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LIU, YINGJIE <ul> <li>Address of Applicant :NO.6-16, SHAOGUOZHANGZICUN,</li> <li>YANGJIAOGOUXIANG, KAZUOXIAN CHAOYANG,</li> <li>LIAONING 122307, China</li> <li>(72)Name of Inventor :</li> <li>1)LIU Yingjie</li> <li>2)JI Lianying</li> </ul> </li> </ul>
	:NA :NA :NA	

#### (57) Abstract :

A dynamic interactive identity authentication system and method are provided in this invention. The identity authentication system includes a storage unit a display character set generation unit a display unit and a password authentication unit. The identity authentication method includes the following steps: generating the dynamic display character sets; inputting a dynamic input code; and comparing the dynamic input code with the user password. This invention can improve the security of identity authentication and is convenient to use.

No. of Pages : 45 No. of Claims : 20

#### (19) INDIA

(22) Date of filing of Application :05/02/2013

#### (21) Application No.333/MUM/2013 A

(43) Publication Date : 21/11/2014

(54) Title of the invention : PIPETTE		
(51) International classification	:B01L3/02	(71)Name of Applicant :
(31) Priority Document No	:102012003846.1	1)EPPENDORF AG
(32) Priority Date	:29/02/2012	Address of Applicant : BARKHAUSENWEG 1, DE-22339
(33) Name of priority country	:Germany	HAMBURG, Germany
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)JENS WILMER
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A pipette with a rod-shaped casing, a seat for detachably holding a pipette tip on the lower end of the casing, a displacement equipment, comprising a displacement chamber with a relocatable limit, a connection channel, connecting the displacement chamber with an opening in the seat, a drive equipment for relocating the relocatable limit of the displacement chamber, coupled to the relocatable limit and having an axially relocatable lifting rod, an upper stop body, a lower stop body and a stop element on the circumference of the lifting rod for limiting the stroke of the lifting rod, an overstroke spring, via which the lower stop body is supported against relocation towards the downside on an overstroke spring support, a stationary screw element, fixedly connected to the lower stop body in order to relocate it in the axial direction of the lifting rod when the relocatable screw element is being relocated, a toothing, running along a helical line with the same pitch as that of the thread of the relocatable screw element and having teeth on the upper edge of the relocatable screw element that are directed in the direction of the instantaneous axis of the relocatable screw element, a toothed driving wheel, rotatably mounted on a bearing that is fixedly connected to the casing, and being engaged with the toothing of the relocatable screw element, and means for rotating the toothed driving wheel.

No. of Pages : 42 No. of Claims : 15

(21) Application No.413/MUM/2013 A

### (19) INDIA

(22) Date of filing of Application :12/02/2013

#### (43) Publication Date : 21/11/2014

(54) Title of the invention : METHOD OF VIDEO INTERACTION USING POSTER-VIEW			
<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)AMIT KUMAR JAIN</li> <li>Address of Applicant :F/1402, ROYAL CLASSIC</li> </ul>	
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:NA	BUILDING, LOKHANDWALA LINK ROAD, ANDHERI WEST 400053 Maharashtra India	
<ul><li>(86) International Application No Filing Date</li><li>(87) International Publication No</li></ul>	:NA :NA : NA	(72)Name of Inventor : 1)AMIT KUMAR JAIN	
(61) Patent of Addition to Application Number Filing Date	:NA :NA		
(62) Divisional to Application Number Filing Date	:NA :NA		

#### (57) Abstract :

The present invention relates to a method of video interaction using electronic devices and in particular to electronic devices with touch screen wherein the means of control and navigation (100) of an electronic device (108) are used for viewing an embodiment of a video wherein said embodiment is a cached or stored poster-view (1) that is a representation and a version of a source video wherein said poster-view (1) has integration with the content of said source video. This method implements using means of control and navigation (100) of said electronic device(108) to extend the contents of said embodiment wherein the content mode of said embodiment is changed from an aspect-to-fit mode to an aspect-to-fill mode in accordance to the content properties of the source video, resulting in an extended form (3) of said embodiment from an initial form (4) of said embodiment. The method also implements using means of control and navigation (100) to retract the contents of said embodiment wherein the content mode of said embodiment is changed from said aspect-to-fill mode in accordance to the content mode of said embodiment is changed form (30) to retract the contents of said embodiment wherein the content mode of said embodiment is changed from said aspect-to-fill mode in accordance to the content properties of the source video, resulting in said initial form (4) of said embodiment from said extended form (3).

No. of Pages : 35 No. of Claims : 17

#### (21) Application No.2461/MUMNP/2013 A

## (19) INDIA

(22) Date of filing of Application :30/12/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : HETEROPHASIC COPOLYMERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C08L23/12,C08F2/00 :11173344.0 :08/07/2011 :EPO :PCT/EP2012/063332 :06/07/2012 :WO 2013/007664 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BOREALIS AG <ul> <li>Address of Applicant :IZD Tower Wagramerstrasse 17 19 A</li> </ul> </li> <li>1220 Vienna AUSTRIA</li> <li>(72)Name of Inventor : <ul> <li>1)HAFNER Norbert</li> <li>2)RESCONI Luigi</li> <li>3)GAHLEITNER Markus</li> <li>4)WANG Jimgbo</li> <li>5)CASTRO Pascal</li> <li>6)KULYABIN Pavel Sergeevich</li> <li>7)IZMER Vyatcheslav</li> <li>8)VOSKOBOYNIKOV Alexander</li> <li>9)KONONOVICH Dmitry</li> <li>10)VIRKKUNEN Ville</li> </ul> </li> </ul>
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(57) Abstract :

A heterophasic polypropylene resin comprising a polypropylene homopolymer matrix phase (A) and an ethylene propylene copolymer phase (B) dispersed within the matrix wherein the xylene soluble fraction of the heterophasic polypropylene resin is in the range 20 to less than 50 wt%; the heterophasic polypropylene resin has an MFR2 of 0.01 to 50 g/10min; the ethylene content of the xylene soluble fraction of the heterophasic polypropylene resin is in the range of at least 20 wt% to less than 50 wt%; the heterophasic polypropylene resin is in the range of at least 20 wt% to less than 50 wt%; the heterophasic polypropylene resin has a notched charpy impact strength at 20C of at least 25 kJ/m preferably at least 50 kJ/m; and wherein the MFR (Matrix)/MFR(XS) = 5 preferably =10.

No. of Pages : 89 No. of Claims : 21

(21) Application No.2464/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/12/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SKIN CARE COMPOSITIONS CONTAINING COMBINATIONS OF NATURAL INGREDIENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:A61K8/97, A61Q19/02 :61/515754 :05/08/2011 :U.S.A. :PCT/US2012/049619 :03/08/2012 :WO 2013/022788 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)STEMTECH INTERNATIONAL INC. Address of Applicant :1011 Calle Amanecer San Clemente California 92673 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)DRAPEAU, CHRISTIAN</li> <li>2)KUKULCAN Shakahn</li> <li>3)JENSEN Gitte S.</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract :

Described herein are various natural ingredients for skin related applications. Individual compounds provide beneficial effects for improved collagen production fibroblast proliferation antioxidant protection and free radical inhibition. Combinations of these individual compounds exhibit synergistic effects leading to dramatic improvements in skin moisture levels wrinkle reduction and elasticity. Various examples of combined ingredients are provided which can be applied in methods related to conditioning the skin and in cosmetic formulations for improved aesthetic appearance.

No. of Pages : 54 No. of Claims : 17

(21) Application No.272/MUM/2013 A

#### (19) INDIA

(22) Date of filing of Application :30/01/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : CAPACITANCE-BASED MOISTURE SENSOR		
(51) International classification	:A01G25/16	(71)Name of Applicant :
(31) Priority Document No	:13/365,388	1)DEERE & COMPANY
(32) Priority Date	:03/02/2012	Address of Applicant : ONE JOHN DEERE PLACE,
(33) Name of priority country	:U.S.A.	MOLINE, ILLINOIS, 61265-8098, U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)RHODES MICHAEL L
(87) International Publication No	: NA	2)MORTON CLAYTON S
(61) Patent of Addition to Application Number	:NA	3)CHAMBERS JAMES A
Filing Date	:NA	4)JARVIS GRAEME L
(62) Divisional to Application Number	:NA	5)HENDRICKSON LARRY L
Filing Date	:NA	

#### (57) Abstract :

A capacitance-based moisture sensor may include a sleeve having an internal cavity, a container filled with soil or other material inserted into the internal cavity, and a pair of ring-shaped conductive bands around the exterior of the sleeve forming a capacitor and providing a frequency output. The rings positioned around a perimeter of the sleeve may be connected to a fixed inductor to form an oscillator with a variable frequency output. The sensor may be calibrated from the frequency output for each of a plurality of substances, measuring the volumetric water content for saturation of the material, and determining at least one fitting constant in an equation wherein volumetric water content is a function of the frequency output and a plurality of fitting constants.

No. of Pages : 16 No. of Claims : 19

(21) Application No.426/MUM/2013 A

#### (19) INDIA

(22) Date of filing of Application :12/02/2013

#### (43) Publication Date : 21/11/2014

## (54) Title of the invention : AC POWER DIESEL GENERATOR SYSTEM FOR GENERATING VARIABLE VOLTAGE AND FREQUENCY IN ACCORDANCE WITH LOAD CONDITIONS AT CUSTOMER SITE EQUIPMENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:H02K 7/00 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)MAHINDRA &amp; MAHINDRA LIMITED Address of Applicant :GATEWAY BUILDING, APOLLO BUNDER, MUMBAI - 400001, MAHARASHTRA, INDIA</li> <li>(72)Name of Inventor :</li> <li>1)LAD PINAKKUMAR DINESHCHANDRA</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA :NA :NA	2)KALE RAJESH ASHOK 3)GOLLA MURAHARY 4)KRISHNAMOORTHY RAMASAMY

#### (57) Abstract :

Embodiments of the present invention disclose an AC power diesel generating system 100 that generates variable voltage in accordance with load conditions at customer site equipments. The diesel generator system 100 includes a speed variable engine 108 drivingly coupled to an alternator 110 that is electrically coupled to an SMPS 144 disposed at the customer site equipments. The diesel generator system 100 includes a control panel 116 arranged on a housing 106 of the diesel generator system 100 and includes a reader 126 connectable to a supply line between the alternator 110 and the SMPS 144 for sensing actual voltage and current supplied to the customer site equipments according to the actual load conditions. An Electronic Control Unit (ECU) 124 electrically is connected to the reader 126 for receiving signals generated from the reader 126 and determines the actual power drawn at the customer site equipments. The ECU 124 determines optimal engine running speeds in response to the received signals and the determined actual power drawn and generates a discreet signal corresponding to each of the determined optimal engine running speeds. Further, the diesel generator system 100 also discloses an actuating mechanism 128 disposed within the housing 106 of and operably connectable between the ECU 124 and a fuel injection pump of the engine 108.

No. of Pages : 23 No. of Claims : 13

(21) Application No.29/MUMNP/2014 A

## (19) INDIA

(22) Date of filing of Application :07/01/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : SYSTEM FOR IMPROVED HYBRIDIZATION OF THERMAL SOLAR AND BIOMASS AND FOSSIL FUEL BASED ENERGY SYSTEMS

(51) International classification	:F01K3/00,F01K3/12	(71)Name of Applicant :
(31) Priority Document No	:61/512000	1)HARATS Yehuda
(32) Priority Date	:27/07/2011	Address of Applicant :45 Hashayarot Street 92544 Jerusalem
(33) Name of priority country	:U.S.A.	ISRAEL.
(86) International Application No	:PCT/IL2012/000287	(72)Name of Inventor :
Filing Date	:26/07/2012	1)HARATS Yehuda
(87) International Publication No	:WO 2013/014664	2)BROWN Ian
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1111	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract :

A hybridization system (15) for use in a hybrid energy plant (35 50 60 70) that includes a first thermal energy unit (10) powered by solar energy and a second non solar thermal energy unit (11) for providing thermal energy to a user (16) via first and second heat transfer fluids (HTF) respectively. The hybridization system includes a mixing unit (45) for mixing the thermal energy of the first and second heat transfer fluids either directly or indirectly so as to form a unified heat transfer fluid that is fed to the user. In some embodiments a thermal energy storage unit (28) and mixing unit (45) are coupled directly or indirectly to the first and second thermal energy units for receiving storing and mixing thermal energy from the thermal energy units so as to form either directly or indirectly a unified heat transfer fluid that is fed to the user.

No. of Pages : 27 No. of Claims : 30

(19) INDIA

(22) Date of filing of Application :13/02/2013

(21) Application No.430/MUM/2013 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : AN IMMOBILITY PHASE IMPROVEMENT MECHANISM FOR CIRCUIT BREAKERS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:H01H 3/00 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LARSEN &amp; TOUBRO LIMITED Address of Applicant :LARSEN &amp; TOUBRO LIMITED L&amp;T HOUSE, BALLARD ESTATE, P. O. BOX: 278, MUMBAI 400</li> </ul>
(33) Name of priority country	:NA	001, MAHARASHTRA, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)ANISH HARIDASS
(87) International Publication No	: NA	2)SUBASH SUKUMAR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides an immobility phase improvement mechanism adapted for improving immobility phase of a circuit breaker during an electrical fault. The immobility phase improvement mechanismcomprises a housing including a contact link and a trip link. The immobility phase improvement mechanism includes a main spring connecting between the moving contact and the housing. The main spring exerts a contact making force between the fixed contact and the moving contact in an ON position of the moving contact thereby forming a four bar linkage mechanism. The immobility phase improvement mechanism includes a helical expansion spring connecting between the contact link and the trip link. The helical expansion spring, relains the trip link in a predefined position. The helical expansion spring exerts a force for rotating the trip link by a predefined angle in an anticlockwise direction for de-latching the four bar linkage mechanism.

No. of Pages : 20 No. of Claims : 9

(19) INDIA

(22) Date of filing of Application :13/02/2013

(21) Application No.431/MUM/2013 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : FLEXIBLE MECHANICAL INTERLOCK ASSEMBLY FOR CIRCUIT BREAKERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	H01H9/20 :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LARSEN &amp; TOUBRO LIMITED Address of Applicant :LARSEN &amp; TOUBRO LIMITED L&amp;T HOUSE, BALLARD ESTATE, P. O. BOX: 278, MUMBAI 400 001, MAHARASHTRA, INDIA</li> <li>(72)Name of Inventor :</li> <li>1)HARIKRISHNAN MANNATTIL</li> </ul>
(87) International Publication No	: NA :NA	2)PRADEEP KUMAR VELUSWAMY 2)SENITHI KUMAD KADUNANITHI
(61) Patent of Addition to Application Number Filing Date	:NA	3)SENTHIL KUMAR KARUNANITHI
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The present invention provides a flexible mechanical interlock assembly for preventing simultaneous closure of two circuit breakers. Each circuit breaker comprises a through pin capable of aligning cassettes and shafts thereof. The flexible mechanical interlock assembly for each circuit breaker comprises a base plate disposed on the circuit breaker. Further, the assembly includes an actuator configured on the base plate. The actuator is capable of sliding up and down with respect to orientation of a shaft of the circuit breaker, wherein the actuator receives the actuation from a through pin. Furthermore, the assembly includes a coupler hinged on the base plate. The coupler is capable of being rotated with the sliding motion of the actuator. Moreover, the assembly include a flexible Bowmen cable anchored to the base plate and connected to the coupler of the two circuit breakers for transferring motion therebetween. The coupler is hinged so that bowden cable pull is standardized irrespective of the rating and size of the circuit breaker. This facilitates inter-frame interlocking compatibility.

No. of Pages : 20 No. of Claims : 4

(21) Application No.31/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :08/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : MAGNETIC INDUCTIVE FLOW METER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:05/06/2012 :WO 2013/010716	<ul> <li>(71)Name of Applicant :</li> <li>1)ENDRESS+HAUSER FLOWTEC AG Address of Applicant :Kegenstrasse 7 CH 4153 Reinach (BL) Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)VOIGT Frank</li> <li>2)B,,EHR G<sup>1</sup>/<sub>4</sub>enther</li> <li>3)UERLINGS Diego</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)UERLINGS Diego 4)WOHLGEMUTH Werner
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a magnetic inductive flow meter having a measuring tube (1) and at least one magnetic system (2) arranged on the measuring tube said magnet system (2) comprising a pole shoe (5) wherein the measuring tube (1) has at least one level surface (9) and an otherwise cylindrical lateral surface which delimit the measuring tube from the environment wherein the pole shoe (5) is shaped to the measuring tube (1) so that it contacts the level surface (9) of the measuring tube (1) and has a specified minimum distance to the otherwise cylindrical lateral surface of the measurement tube (1) wherein it encloses the measurement tube (1) in a circular arc of at least  $10^{\circ}$ .

No. of Pages : 24 No. of Claims : 14

#### (19) INDIA

(22) Date of filing of Application :13/02/2013

(21) Application No.432/MUM/2013 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : LATCH MECHANISM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	E05C19/00 :GB 1203334.6 :24/02/2012 :U.K. :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CONTROL TECHNIQUES LTD Address of Applicant :THE GRO, POOL ROAD NEWTOWN, SY16 3BE U.K. (72)Name of Inventor : 1)CONNELL HUGH A</li></ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A latch mechanism is provided comprising a latch and a cover arranged for attachment to the latch. The latch includes a latch body and a projection extending therefrom wherein, when the latch and cover are attached to one another, the projection extends from an inner surface of the cover. The latch mechanism further comprises a docking area located on a device, the docking area being arranged to receive the latch such that the cover may be securely fixed to the device. The docking area includes a guiding hole comprising a first hole portion and a second hole portion, each arranged to receive the projection which extends from the latch body. When the cover is placed over the docking area and the projection is received in the first hole portion, a sliding movement of the cover causes actuation of the latch so that the projection moves from the first hole portion to the second hole portion. When the latch is received in the second hole portion, further sliding movement of the cover is prevented.

No. of Pages : 38 No. of Claims : 36

(21) Application No.433/MUM/2013 A

#### (19) INDIA

(22) Date of filing of Application :13/02/2013

(43) Publication Date : 21/11/2014

(51) International classification	:B65D47/24	(71)Name of Applicant :
(31) Priority Document No	:102012002935.7	-)
(32) Priority Date	:16/02/2012	Address of Applicant :INDUSTRISTRASSE 21-25, D-27404
(33) Name of priority country	:Germany	ZEVEN, Germany
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)REINER PILS
(87) International Publication No	: NA	2)UWE WAGENKNECHT
(61) Patent of Addition to Application Number	:NA	3)THORSTEN HASTEDT
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (54) Title of the invention : PUSH-PULL CLOSURE FOR A DRINK CONTAINER

#### (57) Abstract :

Push-pull closure for a drink container comprising a mouthpiece holder, which has a through-opening and means for holding, by way of which it can be sealingly and detachably fastened on the edge of an opening of the drink container, a pin, which projects into the through-opening of the mouthpiece holder, wherein a circumferential gap exists between the pin and the through-opening of the mouthpiece holder, several bars, parallel to the pin and arranged around the pin, which are connected to the mouthpiece holder at the top and to the pin at the bottom, a mouthpiece with a further through-opening for a beverage, which can be inserted into the circumferential gap so as to be axially displaceable and sealing with respect to the mouthpiece on the outer circumference and accommodating the pin in the further through-opening, at least one circumferential seal element between the pin and the further through-opening, which blocks the passage of liquid through the further through-opening in a closing position of the mouthpiece in the mouthpiece holder, and unblocks the passage of liquid through the further through-opening in an opening position of the mouthpiece in the mouthpiece holder, and several ribs of a soft elastic material, axially extending on the circumference of the mouthpiece holder, so that the bars engage into the free spaces and the ribs engage into recesses between the bars, stopping surfaces present at the top edge of the ribs bear against the bottom side of the mouthpiece in an upper position of the mouthpiece may be pulled out from the through-opening under reduced extraction force.

No. of Pages : 24 No. of Claims : 15

(21) Application No.102/MUMNP/2014 A

## (19) INDIA

(22) Date of filing of Application :17/01/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : PROTEOLYTIC EXTRACT FROM BROMELAIN FOR THE TREATMENT OF CONNECTIVE TISSUE DISORDERS

<ul> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country:</li> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to</li> </ul>	:PCT/IL2012/050261 :19/07/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)MEDIWOUND LTD. Address of Applicant :42 Hayarkon Street Northern Industrial Zone 81227 Yavne ISRAEL.</li> <li>(72)Name of Inventor :</li> <li>1)ROSENBERG Lior</li> <li>2)RUBIN Guy</li> <li>3)ASCULAI Eilon</li> </ul>
Application Number	NA	

(57) Abstract :

The present invention relates to a proteolytic extract obtained from bromelain for the treatment of connective tissue diseases. In particular the present invention relates to a pharmaceutical composition comprising a proteolytic extract obtained from bromelain for the treatment of diseases such as Dupuytren s disease and Peyronies disease.

No. of Pages : 37 No. of Claims : 18

(21) Application No.34/MUMNP/2014 A

## (19) INDIA

(22) Date of filing of Application :09/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : PROCESS FOR PRODUCING HIGH PURITY LANTHANUM HIGH PURITY LANTHANUM SPUTTERING TARGET COMPRISING HIGH PURITY LANTHANUM AND METAL GATE FILM COMPRISING HIGH PURITY LANTHANUM AS MAIN COMPONENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:C25C3/34,C22B9/22,C22C28/00 :2011-212930 :28/09/2011 :Japan	<ul> <li>(71)Name of Applicant :</li> <li>1)JX Nippon Mining &amp; Metals Corporation Address of Applicant :6 3 Otemachi 2 chome Chiyoda ku Tokyo 1008164 Japan</li> </ul>
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:PCT/JP2012/072409 :04/09/2012 :WO 2013/047104	<ul> <li>(72)Name of Inventor :</li> <li>1)TAKAHATA Masahiro</li> <li>2)SATOH Kazuyuki</li> <li>3)GOHARA Takeshi</li> <li>4)NARITA Satoyasu</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

High purity lanthanum characterized in that the purity in terms of the purity of the lanthanum excluding any rare earth elements and any gas components is 5 N or higher and the number of a ray counts is 0.001 cph/cm or less; and a process for producing high purity lanthanum characterized by electrolyzing crude lanthanum metal as a raw material that has a purity in terms of the purity of the crude metal excluding any gas components of 4 N or lower in a molten salt having a bath temperature of 450 700°C to obtain lanthanum crystals subsequently desalting the lanthanum crystals and then melting the desalted lanthanum with electron beams to remove volatile substances therefrom and thereby regulate the purity in terms of the purity of the lanthanum excluding any rare earth elements and any gas components to 5 N or higher and the number of a ray counts to 0.001 cph/cm or less. The present invention addresses the problem of providing methods with which it is possible to efficiently and stably provide: high purity lanthanum reduced in a rays; a sputtering target comprising the high purity material lanthanum; and a thin film for use as a metal gate the thin film comprising the high purity material lanthanum as the main component.

No. of Pages : 33 No. of Claims : 11

(21) Application No.434/MUM/2013 A

## (19) INDIA

(22) Date of filing of Application :13/02/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : SELF-HEALING MA	TERIALS	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)DEFENCE INSTITUTE OF ADVANCED</li> <li>TECHNOLOGY, (DEEMED UNIVERSITY) <ul> <li>Address of Applicant :GIRINAGAR, P.O. PUNE 411025,</li> </ul> </li> <li>MAHARASHTRA, INDIA</li> <li>(72)Name of Inventor : <ul> <li>1)BALASUBRAMANIAN K.</li> <li>2)PRAHLADA</li> <li>3)RAMDAYAL</li> </ul> </li> </ul>

#### (57) Abstract :

The present invention provides a polymer material possessing self-healing capacity and method of manufacturing thereof. The present invention also provides a self healing polymer composite material comprising the self healing polymer and a method of manufacturing thereof. The present invention further provides a method of curing and healing of the self healing polymer materials wherein the healing agents migrate out during mechanical rupture that are cured in the presence of ultra violet rays, oxygen, moisture, aerosols and the like. These healing agents are either provided in form of a fiber or a capsule with core and sheath configuration thereby advantageously facilitating autonomic healing of said composites without need of using external chemical cross-linkers.

No. of Pages : 33 No. of Claims : 21

(21) Application No.435/MUM/2013 A

#### (19) INDIA

#### (22) Date of filing of Application :13/02/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ROUNDED LIFE BOAT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:B63C9/00, B63C9/02 :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)YOGENDRA SINH PATEL Address of Applicant :NAYAN PETROL PUMP, TAL- KEOLARI, DIST-SEONI, JABALPUR- 480994 Madhya Pradesh India</li> <li>(72)Name of Inventor :</li> <li>1)YOGENDRA SINH PATEL</li> </ul>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The invention provides a rounded life boat which can neither sink nor topple during any type of sea or river emergency. It contains oxygen cylinders, water and food for V persons. It can be operated by paddle. It contains a propulsion system. The walls of the inner and outer ball structures are made of fiber glass or light metal materials. The outer ball structure of the invention protects the persons sitting inside the inner ball structure from any type of sea impacts. The inner and outer ball structures are independent from each other in order to prevent the inner bait structure from any type of sea impact. The inner and outer ball structures are separated from bearings made of steel. This invention is capable of carrying all essential material during the extreme sea emergency.

No. of Pages : 38 No. of Claims : 25

## (21) Application No.213/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :03/02/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ENZYME SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:11178002.9	(71)Name of Applicant : 1)UNILEVER PLC
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:18/08/2011 :EPO	Address of Applicant :Unilever House 100 Victoria Embankment London Greater London EC4Y 0DY U.K.
(86) International Application No	:PCT/EP2012/066050	(72)Name of Inventor :
Filing Date	:16/08/2012	1)PARRY Neil James
(87) International Publication No	:WO 2013/024143	2)WILSON Stephen
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An enzymatic fabric treatment composition comprising the combination of (i) one or more psychrophilic enzymes and (ii) one or more mesophilic enzymes and/or one or more thermophilic enzymes.

No. of Pages : 35 No. of Claims : 9

(21) Application No.329/MUM/2013 A

## (19) INDIA

(22) Date of filing of Application :18/02/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SYNTHESIS OF SUBSTITUTED PYRIMIDINE DERIVATIVES

(51) International classification	:C07D401/12, C07D211/26, C07D211/22, A61	<ul> <li>(71)Name of Applicant :</li> <li>1)GHARDA CHEMICALS LTD.</li> <li>Address of Applicant :B-27/29, MIDC, DOMBIVLI (E)</li> <li>THANE-421203, MAHARASHTRA, INDIA</li> </ul>
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)MATHUR SUCHET S.
(33) Name of priority country	:NA	2)VIJAYAN ANITH
(86) International Application No	:NA	3)NOUGARE VINAYAK H.
Filing Date	:NA	4)BHOSALE SACHIN R.
(87) International Publication No	: NA	5)DAPAKE MANGESH K.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to a process for the preparation of 4,6-dialkoxy-2-(alkylsulfonyl)pyrimidine, said process comprising reacting dialkyl malonate and thiourea in the presence of sodium alkoxide and an alcohol to obtain a sodium salt of thiobarbiruric acid; alkylating said salt of thiobarbituric acid with alkyl chloride to obtain 2-alkyl thio-4,6-dihydroxypyrimidine; chlorinating said 2-alkylthio-4,6-dihydroxypyrimidine with phosphoryl chloride (POCl3) to obtain 2-alkylthio-4,6-dichloropyrimidine; alkoxylating said 2-alkyl thio-4,6-dichloropyrimidine with sodium alkoxide to obtain 4,6-dialkoxy-2-(alkylthio) pyrimidine; and oxidizing said 4,6-dialkoxy-2-(alkylthio) pyrimidine in the presence of hydrogen peroxide, acetic acid and a catalyst and to obtain 4,6-dialkoxy-2-(alkylsulfonyl) pyrimidine.

No. of Pages : 18 No. of Claims : 17

(21) Application No.4/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :02/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SWEETNESS ENHANCED SUGARS AND SUGAR LIKE PRODUCTS :A23L1/236,A23L1/09 (71)Name of Applicant : (51) International classification :1643/MUM/2011 (31) Priority Document No **1)ABBA PHARMA LIMITED** (32) Priority Date :03/06/2011 Address of Applicant :c/o BDO Chartered Accountants & Advisors Al Futtaim Tower Office No. 303 305 3rd Floor Al (33) Name of priority country :India Maktoum Road Deira P.O. Box 1961 Dubai U.A.E. (86) International Application No :PCT/IB2012/001064 Filing Date :01/06/2012 (72)Name of Inventor : (87) International Publication No :WO 2012/164383 1)AURORA Sundeep 2)KULKARNI Shrikant Ramachandra (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

## (57) Abstract :

This invention comprises a sucrose equivalent sweetness enhanced sweetener with cane sugar like crystalline appearance free flowing non dusty and with uniform sweetness in each 6 gram portion with optional ingredients for organoleptic or health benefits and a method of making the same comprising steps of slow stirring with or without seeding accompanied with heating of a concentrated solution having dissolved solids concentration suitable for co crystallization under above conditions comprising sucrose a high intensity sweetener and optionally one or more of other ingredients. The sweetener of this invention has sucrose equivalent sweetness that is an integer or any other pre defined sucrose equivalent sweetness including SES precisely of 2 or 4. The high intensity sweetener ingredient in the sweetener may be sucralose or any other high intensity sweetener.

No. of Pages : 99 No. of Claims : 14

(21) Application No.45/MUMNP/2014 A

## (19) INDIA

(22) Date of filing of Application :10/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR PRODUCING A FORK ARM AND FORK ARM

	n:B66F9/12,B23K15/00,B23K26/24	
(31) Priority Document No	:A 874/2011	1)SZLEZAK Philipp
(32) Priority Date	:15/06/2011	Address of Applicant :Kafkastrae 14/6/6/2 A 1020 Wien
(33) Name of priority country	:Austria	AUSTRIA.
(86) International Application	:PCT/AT2012/050079	(72)Name of Inventor :
No	:05/06/2012	1)SZLEZAK Philipp
Filing Date	:03/06/2012	
(87) International Publication No	:WO 2012/171051	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A method for producing a form arm (18) for load conveying devices having a fork blade (5) which is substantially horizontal in the operating position and a substantially vertical fork spine (20) which adjoins the former via a fork bend (19) and is provided with connection elements (2 3) for the conveying device wherein the fork arm consists of a plurality of parts (1; 2 4 8 9 11; 18 12 to 17) which are connected to one another at least a number of the parts are welded to one another and parts (1; 2 4 8 9 11; 18 12 to 17) of the fork arm are welded to one another by electron beam welding and/or laser welding wherein the welded seam is guided flatly on both sides with a depth of at least 15 mm between adjoining surfaces of the parts.

No. of Pages : 24 No. of Claims : 11

(21) Application No.2456/MUMNP/2013 A

## (19) INDIA

(22) Date of filing of Application :27/12/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : MICRONIZED CACO3 SLURRY INJECTION SYSTEM FOR THE REMINERALIZATION OF DESALINATED AND FRESH WATER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C02F1/68 :11175012.1 :22/07/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)OMYA INTERNATIONAL AG Address of Applicant :Baslerstrasse 42 CH 4665 Oftringen,</li> </ul>
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:PCT/EP2012/063973	(72)Name of Inventor :
Filing Date	:17/07/2012	1)SKOVBY Michael
(87) International Publication No	:WO 2013/014026	2)POFFET Martine
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention concerns a process for treating water and the use of calcium carbonate in such a process. In particular the present invention is directed to a process for remineralization of water comprising the steps of (a) providing feed water having a concentration of carbon dioxide of at least 20 mg/1 preferably in a range of 25 to 100 mg/1 and more preferably in a range of 30 to 60 mg/1 (b) providing an aqueous slurry comprising micronized calcium carbonate and (c) combining the feed water of step (a) and the aqueous slurry of step (b) in order to obtain remineralized water.

No. of Pages : 30 No. of Claims : 22

#### (21) Application No.2457/MUMNP/2013 A

#### (19) INDIA

(22) Date of filing of Application :27/12/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : MODULAR REFRIGERATED MERCHANDISE DISPLAY SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A47F3/04, F25B49/00 :13/173351 :30/06/2011 :U.S.A. :PCT/US2012/030230 :23/03/2012 :WO 2013/002852 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)PEPSICO INC. Address of Applicant :700 Anderson Hill Road Purchase New York 10577 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)JAFA Emad</li> <li>2)RIBEIRO Antonio Jose Fernandes</li> <li>3)MONTERO Jos Roberto</li> <li>4)GUTIERREZ Jose Miguel</li> <li>5)GONZ LEZ Jos Merced Alvarado</li> <li>6)TOKAREVA Daniel Fredievich Yrigoyen</li> <li>7)HERN NDEZ Orlando Jos Guevara</li> <li>8)GARCIA Moiss Lavoignet</li> <li>9)HERN NDEZ Julio Hctor Valenzuela</li> <li>10)KUSULAS Rodolfo Garcia</li> <li>11)JIMENEZ Mary Carmen Sanchez</li> <li>12)AILLOUD Enrique de Colsa</li> <li>13)ACOSTA Hector Eduardo Montfort</li> </ul>
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#### (57) Abstract :

A merchandise display system including one or more display units. The merchandise display system may include a base unit having a refrigeration unit that cools one or more display units. The refrigeration unit may be removable from the base unit. The one or more display units may attach to another display unit or a base unit. The display units may be stackable on top of one another or may abut the back side of another display unit. The display units may also be configured to attach to the base unit. The one or more display units may include a plurality of shelves and one or more doors which allow access to display units.

No. of Pages : 22 No. of Claims : 20

(21) Application No.2458/MUMNP/2013 A

## (19) INDIA

(22) Date of filing of Application :27/12/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHODS AND COMPOSITIONS FOR THERAPEUTIC DRUG MONITORING AND DOSING BY POINT OF CARE PHARMACOKINETIC PROFILING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:61/491268 :30/05/2011 :U.S.A. :PCT/US2012/039993 :30/05/2012 :WO 2012/166795 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)AUTOTELIC INC.</li> <li>Address of Applicant :11100 WARNER AVENUE, SUITE</li> <li>266, FOUNTAIN VALLEY, CA 92708 UNITED STATES OF</li> <li>AMERICA</li> <li>(72)Name of Inventor :</li> <li>1)TRIEU Vuong Ngoc</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Disclosed are methods and kits for pharmacokinetic profiling employing point of care or point of service self sampling and allowing for dosage adjustments based on the pharmacokinetic profiles.

No. of Pages : 51 No. of Claims : 50

(21) Application No.2459/MUMNP/2013 A

## (19) INDIA

(22) Date of filing of Application :27/12/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : ORGANELLE TARGETING NANOCARRIERS

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C12N15/87,A01H5/00,A01K67/027 :61/514988 :04/08/2011	(71)Name of Applicant : 1)HER MAJESTY THE QUEEN IN RIGHT OF CANADA as represented by THE MINISTER OF AGRICULTURE AND AGRI FOOD
(33) Name of priority country	:U.S.A.	Address of Applicant : Agriculture and Agri Food Canada 5403 1 Ave South P.O. Box 3000 Lethbridge Alberta T1J 4B1 Canada
(86) International Application No Filing Date	:PCT/CA2012/000727 :02/08/2012	<ul><li>(72)Name of Inventor :</li><li>1)EUDES Franşois</li><li>2)MACMILLAN Trevor</li></ul>
(87) International Publication No	<sup>1</sup> :WO 2013/016810	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

Τ

(57) Abstract :

Provided are organelle targeting nanocarriers including peptides which act to deliver biological molecules such as nucleic acids to non nuclear organelles such as mitochondria and chloroplasts. Also provided are methods for genetic transformation of non nuclear organelles using such nanocarriers.

No. of Pages : 52 No. of Claims : 20

(21) Application No.422/MUM/2013 A

## (19) INDIA

(22) Date of filing of Application :12/02/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : FABRICATION OF CYCLODEXTRIN TEMPLATE MESOPOROUS SILICA PARTICLES FOR IMPROVED DISSOLUTION OF CARBAMAZEPINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(22) November 1000000000000000000000000000000000000</li></ul>	:A61K31/55, A61P25/08, C07D223/26 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)AMIN, PURNIMA DHANRAJ Address of Applicant :DEPARTMENT OF</li> <li>PHARMACEUTICAL SCIENCES AND TECHNOLOGY, INSTITUTE OF CHEMICAL TECHNOLOGY, NATHALAL</li> </ul>
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:NA :NA	PARIKH MARG, MATUNGA (E), MUMBAI 400019, MAHARASHTRA, INDIA
Filing Date	:NA	2)MEER, TARIQUE ALI SADIQUE ALI
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:2056/MUM/2011	1)AMIN, PURNIMA DHANRAJ
Filed on	:19/07/2011	2)MEER, TARIQUE ALI SADIQUE ALI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention discloses a facile process for the fabrication of carbamazepine loaded on cydodextrin imprinted mesoporous silica particles to enhance the dissolution of carbamazepine, wherein the cyclodextrin imprinted mesoporous silica particle exhibits surface area of 480.37 m2/g, pore volume of 0.8041 cm3/g and pore diameter of 5.8nm.

No. of Pages : 26 No. of Claims : 7

#### (19) INDIA

(22) Date of filing of Application :18/02/2013

(21) Application No.475/MUM/2013 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : IMPROVED WATER TREATMENT PROCESS AND PRODUCTS USEFUL FOR THE PROCESS

		(71)Name of Applicant :
(51) International classification	C02F3/30,	1)ATUL AMBAJI NIVARGI
(31) International elassification	C02F3/12,	Address of Applicant :C2, PRIDE PARK, VEDANT NAGAR
	C02F9/00	STATION MIDC AREA, NEAR TIWARI MANGAL
(31) Priority Document No	:NA	KARYALAYA, AURANGABAD - 431 005, MAHARASHTRA,
(32) Priority Date	:NA	INDIA
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)ATUL AMBAJI NIVARGI
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention comprises a method/process of moving bed fermentation of a liquid carried out by microorganisms in a fermenter/reactor wherein the moving bed comprises a device containing within or on its surface a porous material capable of providing anchorage to bacteria capable of performing fermentation/degradation of organic load and the device is moveable throughout the column of the liquid in the fermenter/reactor when the device is added to the fermenting liquid and the fermenting liquid is agitated/aerated. This device is an artificial device. The method/process of this invention comprises fermentation of raw sewage or any other liquid containing fermentable organic dissolved solids, This invention comprises a device containing within or on its surface a porous material capable of providing anchorage to bacteria capable of performing fermentation/degradation and the device is moveable throughout the column of the liquid in the fermenter/reactor/aeration tank when the device is added to the fermenting liquid and the fermenting liquid is agitated/aerated by blower/aerator or any other means of improving aeration of the liquid. The porous material comprises activated carbon as granules or otherwise. In one embodiment, the device of this invention is impregnated with live bacteria required for the aerobic fermentation.

No. of Pages : 35 No. of Claims : 10

(21) Application No.115/MUMNP/2014 A

## (19) INDIA

(22) Date of filing of Application :20/01/2014

## (43) Publication Date : 21/11/2014

#### (54) Title of the invention : DARUNAVIR COMBINATION FORMULATIONS

(51) International classification	:A61K9/16,A61K9/20,A61K31/34	(71)Name of Applicant :
(31) Priority Document No	:11173067.7	1)JANSSEN R&D IRELAND
(32) Priority Date	:07/07/2011	Address of Applicant : Eastgate Village Eastgate Little Island
(33) Name of priority country	:EPO	Co Cork Ireland.
(86) International Application	:PCT/EP2012/063249	2)GILEAD SCIENCES INC.
No	:06/07/2012	(72)Name of Inventor :
Filing Date	.00/07/2012	1)DELAET Urbain Alfons C.
(87) International Publication	:WO 2013/004818	2)HEYNS Philip Erna H.
No		3)JANS Eugeen Maria Jozef
(61) Patent of Addition to	:NA	4)MERTENS Roel Jos M.
Application Number	:NA	5)VAN DER AVOORT Geert
Filing Date	.1 17 1	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date		

(57) Abstract :

This invention relates to solid oral dosage forms of the HIV inhibitor Darunavir and/or a pharmaceutically acceptable salt or solvate thereof and combination formulations thereof.

No. of Pages : 26 No. of Claims : 11

(21) Application No.142/MUMNP/2014 A

## (19) INDIA

(22) Date of filing of Application :23/01/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : COMPOUNDS FOR THE TREATMENT OF CANCERS ASSOCIATED WITH HUMAN PAPILLOMAVIRUS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:A61P35/00,A61K31/4025 :61/500799 :24/06/2011 :U.S.A. :PCT/IB2012/053166 :22/06/2012 :WO 2012/176163 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)PIRAMAL ENTERPRISES LIMITED Address of Applicant :Piramal Tower Ganpatrao Kadam Marg Lower Parel Mumbai 400013, MAHARASHTRA, INDIA (72)Name of Inventor : 1)PIRAMAL Swati Ajay 2)PADIGARU Muralidhara 3)AGARWAL Veena R 4)DESHPANDE Gandhali Ashwin</li></ul>
Filing Date	:NA	

(57) Abstract :

The present invention relates to the pyrrolidine substituted with flavone derivatives represented by the compounds of Formula (I) or a pharmaceutically acceptable salt a solvate a stereoisomer or a diastereoisomer thereof for use in the treatment of cancers associated with human papillomavirus. The present invention also relates to the pharmaceutical compositions containing the compounds of Formula (I) for the treatment of cancers associated with human papillomavirus.

No. of Pages : 42 No. of Claims : 11

(21) Application No.156/MUMNP/2014 A

## (19) INDIA

(22) Date of filing of Application :24/01/2014

(43) Publication Date : 21/11/2014

## (54) Title of the invention : APPARATUS AND METHOD FOR INSPECTING MATTER AND USE THEREOF FOR SORTING RECYCLABLE MATTER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:G01N21/55,G01N21/25,G01N21/88 :NA :NA :NA :PCT/IB2011/053664	<ul> <li>(71)Name of Applicant :</li> <li>1)INDUSTRIES MACHINEX INC. Address of Applicant :2121 Olivier St Plessisville Qubec G6L</li> <li>3G9 CANADA</li> <li>(72)Name of Inventor :</li> <li>1)L‰VESQUE Marc</li> </ul>
Filing Date (87) International Publication No	:19/08/2011 :WO 2013/027083	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

An apparatus and a method for inspecting matter and the use thereof for sorting recyclable material including transparent material are disclosed. The apparatus comprises a lighting unit for projecting a concentrated diffused lighting onto the matter to generate a specular reflected light beam representative of the inspected matter. The apparatus comprises an imaging unit mounted according to a given imaging angle with respect to the projected concentrated diffused lighting for imaging the specular reflected light beam to provide image data representative of the inspected matter. The apparatus comprises an analyzing unit for analyzing the image data and providing matter characterization data based on the specular reflected light beam representative of the inspected matter.

No. of Pages : 36 No. of Claims : 48

(21) Application No.49/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :10/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD FOR AMPLIFYING NK CELLS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to</li> </ul> </li> <li>Application Number <ul> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> </ul> </li> </ul>	:C12N5/0735,A61K35/14,A61P31/00 :2011-140725 :24/06/2011 :Japan :PCT/JP2012/065718 :20/06/2012 :WO 2012/176796 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ul> <li>1)KYUSHU UNIVERSITY NATIONAL UNIVERSITY</li> <li>CORPORATION <ul> <li>Address of Applicant :6-10-1 Hakozaki Higashi ku Fukuoka</li> </ul> </li> <li>shi Fukuoka 8128581 Japan <ul> <li>2)TELLA INC.</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)YONEMITSU Yoshikazu</li> <li>2)HARADA Yui</li> <li>3)SAITO Satoru</li> <li>4)YAZAKI Yuichiro</li> <li>5)OKAMOTO Masato</li> <li>6)ISHIDAO Takefumi</li> </ul> </li> </ul></li></ul>
Filing Date	.inA	

(57) Abstract :

A technique is needed which can amplify NK cells in vitro and prepare optimum number of NK cells for the adoptive immunotherapy. A method for amplifying NK cells is provided which comprises steps of preparing cell population which is comprised of NK cells, removing T cells from the cell population which is comprised of NK cells, and, after removal of T cells, cultivating the remaining cells in a medium supplemented with 2500 to 2831 IU/mL of IL-2, The method for amplifying NK cells of the present. invention may comprise a step of removing hematopoietic progenitor cells from the cell population. The present invention provides a pharmaceutical composition for adoptive immunotherapy, comprising NK cells which are prepared by the amplifying method of the present invention.

No. of Pages : 44 No. of Claims : 11

(21) Application No.491/MUM/2013 A

# (19) INDIA

(22) Date of filing of Application :19/02/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : AN AMPLIFICATION MECHANISM

(51) International classification (31) Priority Document No	:H01L41/09, H02N2/00, B41J2/295, B41J2/2 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LARSEN &amp; TOUBRO LIMITED</li> <li>Address of Applicant :L&amp;T HOUSE, BALLARD ESTATE,</li> <li>MUMBAI 400 001, STATE OF MAHARASHTRA, INDIA</li> <li>(72)Name of Inventor :</li> </ul>
(32) Priority Date	:NA	1)SUKUMAR, SUBASH
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to an Amplification mechanism. The mechanism comprises a mounting plate, said mounting plate comprises mounting slot; at least one Latch pins mounted on said mounting slot; an actuator means mounted on said mounting plate via said latch pins; a latch means mounted on said mounting plate via said latch pins; and a spring means connected between said mounting plate and said actuator.

No. of Pages : 11 No. of Claims : 7

(21) Application No.2473/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :31/12/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : SUPERCONDUCTING FAULT CURRENT LIMITER RECOVERY SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:H02H9/02,H02H9/04 :61/495192 :09/06/2011 :U.S.A. :PCT/US2012/040725 :04/06/2012 :WO 2012/170345 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)VARIAN SEMICONDUCTOR EQUIPMENT</li> <li>ASSOCIATES INC. <ul> <li>Address of Applicant :35 Dory Road Gloucester MA 01930,</li> <li>U.S.A.</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)MURPHY Paul J.</li> <li>2)DICKERSON Gary E.</li> </ul> </li> </ul>
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(57) Abstract :

A superconducting fault current limiter recovery system includes a superconducting fault current limiter a shunt electrically coupled in parallel with the superconducting fault current limiter and a bypass path also electrically coupled in parallel with the superconducting fault current limiter. The bypass path enables a load current to flow through the bypass path during a bypass condition. Thus load current may be quickly reestablished to serve loads after a fault condition via the bypass path while a superconductor of the superconductor fault current limiter has time to return to a superconducting state after the fault condition.

No. of Pages : 15 No. of Claims : 16

(21) Application No.26/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :07/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DEVICE FOR EAR DRUM REPAIR

<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	a:A61F2/18,A61F11/00,A61B17/00 :2011902758 :11/07/2011 :Australia :PCT/AU2012/000830 :11/07/2012	<ul> <li>1)EAR SCIENCE INSTITUTE AUSTRALIA Address of Applicant :Suite 1 Level 2 1 Salvado Road Subiaco western Australia 6008 Australia (72)Name of Inventor :</li> <li>1)ATLAS Marcus</li> </ul>
Filing Date (87) International Publication No	:WO 2013/006908	2)ROBERTSON William Brett 3)MARANO Robert Jeffrey 4)REDMOND Sharon Leanne
(61) Patent of Addition to Application Number Filing Date	:NA :NA	5)SANTA MARIA Peter Leigh 6)LEVIN Brett 7)TEH Bing Mei
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A device for use in the repair of an ear drum in a subject in need of such treatment said device: having a tensile strength Youngs Modulus between approximately 12.5 and 40 MPa; comprising one or more membrane layers wherein at least one membrane layer comprises a plurality of pores; and wherein the device can support proliferation migration and/or adhesion of cells selected from the group comprising at least any one or more of: keratinocytes fibroblasts vascular cells mucosal epithelial cells and stem cells.

No. of Pages : 31 No. of Claims : 16

(21) Application No.443/MUM/2013 A

# (19) INDIA

(22) Date of filing of Application :14/02/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : A SYSTEM AND METHOD TO AUTOMATICALLY PRINT MESSAGES AND/OR CUSTOMER ORDERS PLACED ONLINE OR VIA THE PHONE AT A RETAIL STORE (ENTITY).

(51) International classification	:G06Q30/02,H04N1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MAYEKAR UNMESH SHRIKANT
(32) Priority Date	:NA	Address of Applicant :C-1102, BLOSSOM BLVD, SOUTH
(33) Name of priority country	:NA	MAIN RD, KOREGAON PARK, PUNE 411001 Maharashtra
(86) International Application No	:NA	India
Filing Date	:NA	2)MAHALE ANANT DAMODAR
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application	:NA	1)MAYEKAR UNMESH SHRIKANT
Number	:NA :NA	2)MAHALE ANANT DAMODAR
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The invention described here relates to an automated system and method to capture, process and print Messages and/or Orders received online or via the phone to a retail store (Entity) through the Retailers existing computer or a separate hardware device (hereinafter also referred to as the Order Receiving Device (ORD). This includes a server that processes and stores the Messages and/or Orders. The ORD located at the store polls the Server and automatically downloads the Messages and/or Orders when present. The Messages and/or Orders are then instantly printed out at the Entity in a format that is easily understood by the Retailer. Since the system allows for receiving Orders without replacing or interfering with the existing systems in the store, this technology provides an efficient way for Retailers to receive online and phone Orders while continuing to operate their store - thus improving their operational efficiencies, in addition, to the Order, the system and method allows for Customized messages, Loyalty points updates, Advertisements and Coupons to be automatically or manually inserted into the printout. In addition, the system provides online analytics to Retailers and Customers based on the transaction history.

No. of Pages : 19 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :02/01/2014

(43) Publication Date : 21/11/2014

(21) Application No.5/MUMNP/2014 A

# (54) Title of the invention : STABILIZER FOR A LOWER LINK OF A THREE POINT HITCH OF A TRACTOR

<ul> <li>(a) International Application No</li> <li>(b) International Publication No</li> <li>(c) Divisional to Application Number</li> <li>(c) Divisional to App</li></ul>	<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:20/07/2012 :WO 2013/026638 :NA :NA :NA	
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(57) Abstract :

The invention relates to stabilizer (10) for a lower link of a three point hitch of a tractor comprising a first stabilizer element (12) and a second stabilizer element (16) which is connected to the first stabilizer element (12) in a resiliently movable manner. The second stabilizer element (16) can be rotated relative to the first stabilizer element (12) in order to customize the stabilizer length. A securing clip (58) which is pivotally hinged to the first stabilizer element (12) can be brought into engagement with a securing slot (60) formed on the periphery of the second stabilizer element (16) in order to secure the two stabilizer elements (12 16) against rotation. Furthermore a blocking flap (62) is provided which can be pivoted into a closed position in order to block a resilient movement occurring between the stabilizer elements (12 16). A blocking flap portion (64) that is near the securing clip (58) in the pivoting direction is shaped such that the securing clip (58) can also be pivoted out of the securing slot (60) while releasing the second stabilizer element (16) in order to clamp a lower link equipped with the stabilizer (10) when the blocking flap (62) is in the closed position.

No. of Pages : 17 No. of Claims : 10

(21) Application No.2432/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :23/12/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : ARRANGEMENT AND METHOD FOR AVOIDING STRAY CURRENTS IN WIND POWER PLANTS

	110012/20	
(51) International classification	:H02J3/38	(71)Name of Applicant :
(31) Priority Document No	:11170387.2	1)AREVA WIND GMBH
(32) Priority Date	:17/06/2011	Address of Applicant : Am Lunedeich 156 27572 Bremerhaven
(33) Name of priority country	:EPO	Germany
(86) International Application No	:PCT/EP2012/061569	(72)Name of Inventor :
Filing Date	:18/06/2012	1)HAGEDORN Ralf
(87) International Publication No	:WO 2012/172101	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a method and an arrangement for avoiding stray currents in a wind power plant. There is an insulating power source (1) having a galvanic decoupled secondary side (3) an electrical load (8) coupled to the secondary side of the insulating power source through an electrical conductor (5 6) and a stray current sensitive mechanical component (7) of the wind power plant. The insulating power source is located at a first side of the stray current sensitive mechanical component and the load is located at a second side of the stray sensitive mechanical component. The electrical conductor is coupled to a common ground potential (10) at the second side.

No. of Pages : 14 No. of Claims : 8

(21) Application No.2433/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :23/12/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : DOSAGE OF DNAK

(51) International classification	:A61K39/35,A61K39/39,A61P37/08	(71)Name of Applicant : 1)BIOTECH TOOLS S.A.
(31) Priority Document No	:11174879.4	Address of Applicant :Rue de Ransbeek 230 Bloc V B 1120
(32) Priority Date	:21/07/2011	Brussels Belgium
(33) Name of priority country	y:EPO	(72)Name of Inventor :
(86) International	:PCT/EP2012/064196	1)LEGON Thierry
Application No	:19/07/2012	2)PIROTTON Sabine
Filing Date		3)DUCHATEAU Jean
(87) International Publication No	<sup>1</sup> :WO 2013/011095	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A pharmaceutical preparation for subcutaneous injection comprising between 0.5 ng and 200 µg of HSP70 between 0.5 and 100 pg of fragments of an antigenic structure.

No. of Pages : 16 No. of Claims : 15

(21) Application No.478/MUM/2013 A

# (19) INDIA

(22) Date of filing of Application :19/02/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : A TERMINATION SYSTEM FOR A CIRCUIT-BREAKER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:H01H33/59, h01h71/08 :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LARSEN &amp; TOUBRO LIMITED Address of Applicant :LARSEN &amp; TOUBRO LIMITED L&amp;T HOUSE, BALLARD ESTATE, P. O. BOX: 278, MUMBAI 400 001, MAHARASHTRA, INDIA</li> <li>(72)Name of Inventor :</li> <li>1)SUBASH SUKUMAR</li> </ul>
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A termination system for maintaining substantial contact between an electrical conductor element and a terminal element of a circuitbreaker includes circuit-breaker housing, a terminal assembly, a box clamp and a threaded element. The circuit-breaker housing is provided with at least one longitudinally extending guide element configured on an operative front face thereof. The terminal assembly is received inside the circuit-breaker housing and slides along the longitudinally extending guide element for adjusting position thereof with respect to the circuit breaker housing. The terminal assembly includes housing. a box clamp and a threaded clement. The housing of the terminal assembly includes a slot, an opening, an operative bottom cover and a sliding element. The sliding element is configured on the housing and engages with the at least one longitudinally extending guide element lor facilitating relative movement between the terminal assembly and the circuit breaker housing for adjusting the ground clearance.

No. of Pages : 26 No. of Claims : 5

(21) Application No.479/MUM/2013 A

# (19) INDIA

(22) Date of filing of Application :19/02/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : MECHANISM FOR AN ELECTROMAGNETIC ACTUATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:H01H73/28, H01H71/12 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LARSEN &amp; TOUBRO LIMITED Address of Applicant :LARSEN &amp; TOUBRO LIMITED L&amp;T HOUSE, BALLARD ESTATE, P. O. BOX: 278, MUMBAI 400 001, MAHARASHTRA, INDIA</li> <li>(72)Name of Inventor :</li> </ul>
Filing Date (87) International Publication No	:NA : NA	1)ANISH HARIDAS S 2)MOHANAPRIYA SUBRAMANIA
(61) Patent of Addition to Application Number	:NA :NA	2)MOHANAFKITA SUBKAMANIA 3)SUBASH SUKUMAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The present invention provides an electromagnetic actuator design for low voltage circuit breakers. The electromagnetic actuator includes a fixed core, a movable core, a coil, a spring locater, and a resilient expansion member. The present invention enables reduction in size of the electromagnetic actuator in an optimized and compact form. Reduction in size of .the actuator puts a limit to number of turns and the volume of magnetic material that can be accommodated. Due to reduction in number of turns the effective force generated in the armature may not be sufficient to trip the mechanism at the desired current level.

No. of Pages : 17 No. of Claims : 3

(21) Application No.53/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :13/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : POLY(VINYL ESTER) POLYMERS FOR IN VIVO NUCLEIC ACID DELIVERY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> </ul> </li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)ARROWHEAD RESEARCH CORPORATION Address of Applicant :225 S. Lake Ave Suite 1050 Pasadena CA 91101 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)WAKEFIELD Darren H.</li> <li>2)ROSSI Nicholas</li> <li>3)SHEIK Dan</li> </ul>
Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention is directed membrane active poly(vinyl ester) polymers and compositions for targeted delivery of RNA interference (RNAi) polynucleotides to cells in vivo. RNAi polynucleotides are conjugated to the poly(vinyl ester) polymers and the polymers are reversibly modified to enable in vivo targeted delivery. Membrane activity of the poly(vinyl ester) provides for movement of the RNAi polynucleotides from outside the cell to inside the cell. Reversible modification provides physiological responsiveness.

No. of Pages : 78 No. of Claims : 20

(21) Application No.238/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :05/02/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : TREATMENT AND PREVENTION OF DISEASES MEDIATED BY MICROORGANISMS VIA DRUG MEDIATED MANIPULATION OF THE EICOSANOID BALANCE

(51) International classification:A61K31/381,A61K31/404,A61K31/41(31) Priority Document No:61/515229(32) Priority Date:04/08/2011(33) Name of priority country:U.S.A.(86) International Application No Filing Date:PCT/US2012/049280 :02/08/2012(87) International Publication No (61) Patent of Addition to Application Number Filing Date:WO 2013/019926(82) Divisional to Application Number Filing Date:NA :NA(82) Divisional to Application Number Filing Date:NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>THE UNITED STATES OF AMERICA AS</li> </ol> </li> <li>REPRESENTED BY THE SECRETARY DEPARTMENT</li> <li>OF HEALTH AND HUMAN SERVICES <ul> <li>Address of Applicant :Office of Technology Transfer National</li> </ul> </li> <li>Institutes of Health 6011 Executive Boulevard Suite 325 MSC</li> <li>7660 Bethesda Maryland 20892 7660 U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>MAYER BARBER Katrin</li> <li>ANDRADE Bruno de Bezerril</li> <li>SHER Alan</li> <li>BARBER Daniel Leo</li> </ul> </li> </ul>
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(57) Abstract :

The invention provides a method of enhancing the efficacy of antibiotic treatment of tuberculosis trypanosomiasis leprosy and leishmaniasis involving co administering to a mammal undergoing antibiotic treatment therapeutically effective amounts of a first compound that is an inhibitor of 5 lipoxygenase and optionally a second compound that is a product of the cyclooxygenase pathways. The invention also provides a pharmaceutical composition comprising an antibiotic an inhibitor of 5 lipoxygenase and a product of the cyclooxygenase pathways.

No. of Pages : 35 No. of Claims : 39

(21) Application No.330/MUM/2013 A

# (19) INDIA

(22) Date of filing of Application :18/02/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : SYNTHESIS OF DISUBSTITUTED AROMATIC CARBOXYLIC ACID AND THEIR SALTS

(51) International classification:C07C51/263(31) Priority Document No:NA(32) Priority Date:NA(33) Name of priority country:NA(86) International Application No:NAFiling Date:NA(87) International Publication No: NA(61) Patent of Addition to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NA(62) Divisional to Application Number:NAFiling Date:NA	<ul> <li>(71)Name of Applicant :</li> <li>1)GHARDA CHEMICALS LTD. Address of Applicant :B-27/29, MIDC, DOMBIVLI (E) THANE-421203, MAHARASHTRA, INDIA</li> <li>(72)Name of Inventor :</li> <li>1)MATHUR SUCHET S.</li> <li>2)DAMANIA RAJESWARI P.</li> <li>3)BOOK WALA HUSENI F.</li> <li>4)KULKARNI KETAN</li> <li>5)VISHE NARENDRA M.</li> <li>6)BERKAL BAJIRAO</li> <li>7)KAPSE RAJU</li> </ul>
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(57) Abstract :

The present disclosure provides a process for the preparation of Bispyribac-metal salt which involves reacting 2,6-dihydroxy benzoic acid with dialkyl sulphate using a base in a solvent to form 2,6-dihydroxy alkyl benzoate; condensing 2-(methylsulfonyl)-4,6-dimethoxy pyrimidine with 2,6-dihydroxyalkyl benzoate to obtain alkyl-2, 6-bis [(4,6-dimethoxy-2-pyrimidmyl) oxyl benzoate; and subjecting said alkyl-2, 6-bis [(4,6-dimethoxy-2-pyrimidinyl) oxy] benzoate to hydrolysis with at least one alkali metal or alkaline earth metal to obtain Bispyribac- metal salt.

No. of Pages : 21 No. of Claims : 17

(21) Application No.446/MUM/2013 A

# (19) INDIA

(22) Date of filing of Application :14/02/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : AN IMPROVED SYSTEM AND METHOD OF SCANNING BY A SEARCH ENGINE DEPENDING ON THE IMPORTANCE OF THE KEYWORDS AND PRODUCING AN EFFECTIVE OUTPUT

(51) International classification	:G06F17/30,G06F 15/16	(71)Name of Applicant : 1)GYAN PRAKASH KESARWANI
(31) Priority Document No	:NA	Address of Applicant :PLOT NO. 177B, FLAT NO. 402,
(32) Priority Date	:NA	AMRUT VARSHA APARTMENT, SHIVAJI NAGAR,
(33) Name of priority country	:NA	NAGPUR - 440010 MAHARASHTRA, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)GYAN PRAKASH KESARWANI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The embodiments of the present invention disclose a method of scanning a search engine depending on the importance of the keywords and producing an effective output. The method comprises registering a user into the said system and providing an input through the said electronic device. The input is in the format of a text, a video or an audio. The method further comprises capturing the input provided by the user through the electronic device, recognizing the plurality of keywords from the input provided the user and scanning a plurality of global databases through the World Wide Web. The method further comprises highlighting the relevant documents found after scanning and providing a search result through the manual team or the plurality of electronic equipments.

No. of Pages : 21 No. of Claims : 8

(21) Application No.55/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :13/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD AND APPARATUS FOR ENCODING MOTION INFORMATION AND METHOD AND APPARATUS FOR DECODING SAME

(51) International classification	:H04N7/32	(71)Name of Applicant :
(31) Priority Document No	:61/496780	1)SAMSUNG ELECTRONICS CO. LTD.
(32) Priority Date	:14/06/2011	Address of Applicant :129 Samsung ro Yeongtong gu Suwon
(33) Name of priority country	:U.S.A.	si Gyeonggi do 443 742 REPUBLIC OF KOREA.
(86) International Application No	:PCT/KR2012/004710	(72)Name of Inventor :
Filing Date	:14/06/2012	1)LEE Tammy
(87) International Publication No	:WO 2012/173415	2)CHEN Jianle
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

Disclosed are a method and apparatus for encoding and decoding motion information. The method for encoding motion information of the present invention comprises the steps of: acquiring a motion information candidate using motion information contained in prediction units which are associated with a current prediction unit in terms of time and space; if the number of pieces of motion information candidate smaller than a predetermined number n adding alternative motion information candidate such that the number of pieces of motion information contained in the motion information candidate such that the number of pieces of motion information contained in the motion information candidate such that the number of pieces of motion information contained in the motion information candidates; and encoding as motion information for the current prediction unit from among the number n of motion information candidates; and encoding as motion information of the current prediction unit index information indicating the determined motion information.

No. of Pages : 75 No. of Claims : 15

(21) Application No.465/MUM/2013 A

# (19) INDIA

(22) Date of filing of Application :18/02/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : SYNTHESIS OF DISUBSTITUTED AROMATIC CARBOXYLIC ACID AND THEIR SALTS

<ul> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(33) Name of priority country</li> <li>(34) International Application No</li> <li>(35) Name of priority country</li> <li>(36) International Application No</li> <li>(37) International Publication No</li> <li>(37) International Publication No</li> <li>(38) International Publication No</li> <li>(39) NA</li> <li>(30) Name of priority country</li> <li>(31) NA</li> <li>(32) Name of priority country</li> <li>(32) NA</li> <li>(33) Name of priority country</li> <li>(34) NA</li> <li>(35) Name of Inventor :</li> <li>(36) International Application No</li> <li>(37) International Publication No</li> <li>(38) NA</li> <li>(39) NA</li> <li>(30) NA</li> <li>(31) MATHUR SUCHET S.</li> <li>(31) MATHUR SUCHET S.</li> <li>(32) JAIN NANDKUMAR J.</li> <li>(33) MORE MAHENDRA M.</li> <li>(4) AHER SATYAWAN B.</li> <li>(31) Filing Date</li> <li>(32) NA</li> <li>(32) PadWAL SACHIN S.</li> <li>(33) NA</li> </ul>	<ul> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	C07C51/15 :NA :NA :NA :NA : NA :NA :NA :NA	<ul> <li>(72)Name of Inventor :</li> <li>1)MATHUR SUCHET S.</li> <li>2)JAIN NANDKUMAR J.</li> <li>3)MORE MAHENDRA M.</li> <li>4)AHER SATYAWAN B.</li> </ul>
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(57) Abstract :

The present disclosure relates to a process for the preparation of Bispyribac sodium; said process comprises condensing 2,6-dihydroxy benzoic acid with 2-(aIkyl sulfonyl)-4,6-dialkoxy pyrimidine at a temperature ranging between 20 and 80 C in the presence of at least one base and at least one solvent.

No. of Pages : 12 No. of Claims : 7

(21) Application No.52/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :13/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : POLY(ACRYLATE) POLYMERS FOR IN VIVO NUCLEIC ACID DELIVERY

(31) Priority Document No:61(32) Priority Date:18(33) Name of priority country:U.(86) International Application No:PCFiling Date:23	8/04/2012       Address of         J.S.A.       CA 91101 U.S         CT/US2012/051973       (72)Name of It         3/08/2012       1)WAKEFII         VO 2013/158141       2)ROSSI Nic         JA       4)ALMEIDA         JA       5)PERILLA	IEAD RESEARCH CORPORATION Applicant :225 S. Lake Ave Suite 1050 Pasadena .A. nventor : ELD Darren H. cholas David B.
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(57) Abstract :

The present invention is directed membrane active poly(acrylate) polymers and compositions for targeted delivery of RNA interference (RNAi) polynucleotides cells in vivo. RNAi polynucleotides are conjugated to the poly(acrylate) polymers and the polymers are reversibly modified to enable in vivo targeted delivery. Membrane activity of the poly(acrylate) provides for movement of the RNAi polynucleotides from outside the cell to inside the cell. Reversible modification provides physiological responsiveness.

No. of Pages : 101 No. of Claims : 20

(21) Application No.57/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :13/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : DEVICE AND METHOD FOR CENTRIFUGING A FOOD PRODUCT

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication</li> </ul>	:B04B3/00,B04B7/08,B04B11/04 :11174869.5 :21/07/2011 :EPO :PCT/EP2012/064263 :20/07/2012 :WO 2013/017437	<ul> <li>(71)Name of Applicant :</li> <li>1)FLORIGO INTERNATIONAL B.V. Address of Applicant :De Bleek 5 NL 3447 GV Woerden Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)LOEHN Mirko</li> <li>2)VAN LOON Erik</li> </ul>
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

#### (57) Abstract :

The invention relates to a device for centrifuging at least one food product comprising at least one conveyance means (7 7a 7b) and at least one centrifuge element (9a 9b) having an interior space (15a 15b) to receive the food product and being adapted to be spun around a first rotational axis wherein the food product is conveyable into the internal space via the conveyance means wherein the conveyance means is at least partly insertable into and extricable out of the interior space as well as a method for centrifuging at least one food product especially utilizing an inventive device wherein the food product is conveyed to at least one centrifuge element having an interior space to receive the food product and being adapted to be spun around a first rotational axis by at least one conveyance means wherein furthermore the food product is conveyed to and/or from the centrifuge element such that it is transferred to the conveyance means to the centrifuge element and/or from the centrifuge element to an output of the device by a sliding movement and/or with a minimized sliding height the food product is placed by the conveyance means close to a side wall of the centrifuge element and/or a comer of the side wall with a bottom wall and/or a bottom plate and /or before and/or during the conveyance of the food product to the centrifuge element the conveyance means is at least partly inserted into the interior space and/or during or after the conveyance of the food product to the centrifuge element the conveyance means is at least partly extricated out of the interior space.

No. of Pages : 44 No. of Claims : 15

(21) Application No.62/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :14/01/2014

(43) Publication Date : 21/11/2014

### (54) Title of the invention : GENERAL METHOD FOR PREPARING FATTY ACYL AMIDO BASED SURFACTANTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> <li>(57) Abstract :</li> </ul>	:C07C231/02,C07C233/18,C07C233/20 :13/192490 :28/07/2011 :U.S.A. :PCT/EP2012/064771 :27/07/2012 :WO 2013/014267 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)UNILEVER PLC Address of Applicant :Unilever House 100 Victoria Embankment London EC4Y 0DY U.K.</li> <li>(72)Name of Inventor :</li> <li>1)HARICHIAN Bijan</li> <li>2)AU Van</li> <li>3)AHTCHI ALI Badreddine</li> <li>4)WINTERS John Robert</li> <li>5)DIVONE Peter Anthony</li> </ul>
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(57) Abstract :

A process is provided for preparing C C acyl amido compounds via reaction in a polyol (molecular weight 76 to 300) of

interesterifying a fatty acid ester with an amino compound or salt thereof. The resultant mass of material will have a Hunter Lab Color Scale value L ranging from 70 to 100.

No. of Pages : 29 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :07/01/2014

(21) Application No.30/MUMNP/2014 A

(43) Publication Date : 21/11/2014

### (54) Title of the invention : A TRANSACTION SYSTEM AND METHOD FOR USE WITH A MOBILE DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:G06Q20/32 :61/494946 :09/06/2011 :U.S.A. :PCT/IL2012/050199 :07/06/2012 :WO 2012/168940 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ACCELLS TECHNOLOGIES (2009) LTD. Address of Applicant :Imbar 7 49511 Petach Tikva ISRAEL.</li> <li>(72)Name of Inventor :</li> <li>1)WEINER Avish Jacob</li> </ul>
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#### (57) Abstract :

A transaction system constituted of: a mobile device comprising a display; a transaction server; and a communication network arranged to provide communication between the mobile device and the transaction server wherein the mobile device is arranged to transmit identification information to the transaction server via the communication network and wherein the transaction server is arranged to: identify the mobile device responsive to the mobile device transmitted identification information; associate the identified mobile device with a particular access point; transmit via the communication network transaction information to the mobile device the transmitted transaction information responsive to the associated particular access point wherein the mobile device is arranged to output onto the display information responsive to the transmitted transaction information.

No. of Pages : 56 No. of Claims : 26

#### (19) INDIA

#### (22) Date of filing of Application :12/02/2013

(21) Application No.416/MUM/2013 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : FREQUENCY VARIABLE CAPACITOR BASED PASSIVE FILTER FOR MATCHING GRID FREQUENCY

(51) International classification	:H02H3/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CROMPTON GREAVES LIMITED
(32) Priority Date	:NA	Address of Applicant :CG HOUSE, DR ANNIE BESANT
(33) Name of priority country	:NA	ROAD, WORLI, MUMBAI 400 030, MAHARASHTRA, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)HASSAN HAFIZ IMTIAZ
(87) International Publication No	: NA	2)SAHA RAJA
(61) Patent of Addition to Application Number	:NA	3)CHAUDHARY MUKESH KUMAR
Filing Date	:NA	4)WACHASUNDAR SHRIPAD
(62) Divisional to Application Number	:NA	5)VAIDYA TUSHAR
Filing Date	:NA	

#### (57) Abstract :

A frequency variable capacitor based passive filter for matching grid frequency comprising: a series band pass filter connected in series with a load comprising a first inductor connected in series with at least two first capacitors which are connected in parallel to each other; and a first semiconductor switch connected in series with one of the said capacitors; a shunt band stop filter connected in parallel with a load comprising a second inductor connected in parallel with at least two second capacitors; and at least one control in parallel to each other; and a second semiconductor switch connected in series with one of the said capacitors; and at least one control circuitry for varying the duty ratio of said semiconductor switches; wherein said control circuit is configured to monitor the grid frequency and to determine the capacitance required for matching the frequency of said series band pass filter and shunt band stop filter with that of grid frequency and wherein, in response to required capacitance, said control circuit adjusts the duty ratio of said semiconductor switches.

No. of Pages : 12 No. of Claims : 4

### (19) INDIA

(22) Date of filing of Application :18/02/2013

# (21) Application No.469/MUM/2013 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : TRANSMISSION FOR A MOTOR VEHICLE AND METHOD FOR CONTROLLING SUCH A TRANSMISSION

(51) International classification	:F16H59/10	(71)Name of Applicant :
(31) Priority Document No	:102011056517.5	
(32) Priority Date	:16/02/2012	Address of Applicant :NEUENHOFSTR. 181, D-52078
(33) Name of priority country	:Germany	AACHEN, Germany
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)HELLENBROICH GEREON
(87) International Publication No	: NA	2)RUSCHHAUPT JOHANNES
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A mortal vehicle transmission shiftable between several gears is disclosed. It comprises input shafts drive -wise connectable via clutches to driving motors; output shaft connected by gears first and second input shafts and connectable to a power drain for driving the motor vehicle wheels and a parallel shaft connected by gears/transfer gears to the two input shafts. The transmission layout is such, that at least between two direct gear shift steps following one another and in which the parallel shaft is not coupled via the pair of transfer gears to the second input shaft, a generated gear shift step is usable in the gear stepping, in which the parallel shaft is coupled via the pair of transfer gears to the second input shaft.

No. of Pages : 38 No. of Claims : 19

(21) Application No.68/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :15/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : CONCENTRATED FATTY ACYL AMIDO SURFACTANT COMPOSITIONS

(51) International classification (31) Priority Document No	:C11D1/10,C11D1/28,C11D1/52 :61/512434	(71)Name of Applicant : 1)UNILEVER PLC
<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:28/07/2011 :U.S.A.	Address of Applicant :100 Victoria Embankment London EC4Y 0DY U.K.
(86) International Application N	o:PCT/EP2012/064768	(72)Name of Inventor :
Filing Date (87) International Publication No.	:27/07/2012 p :WO 2013/014264	1)HERMANSON Kevin David 2)HARICHIAN Bijan
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)VETHAMUTHU Martin Swanson
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A surfactant concentrate is provided that includes (i) from 35% to 90% by weight a C Cacyl amido surfactant of structure (I) wherein R is a C C saturated or unsaturated alkyl radical; R is hydrogen CHCOOX or a C C alkyl radical; R is hydrogen; R is selected from the group consisting of (CH)COX (CH)SOX CHNR(CH)OH and glucosyl radicals; R is selected from the group consisting of hydrogen hydroxyphenyl C C hydroxyalkyl C C alkyl benzyl hydroxybenzyl alkylcarbamido thioalkyl and carboxylic radicals; X is selected from hydrogen metal ions amine salts and C C alkyl radicals; and m ranges from 0 to 6; and (ii) from 10 to 60% by weight of polyol; and (iii) from 1 to 20% by weight of C C fatty acids; and wherein the concentrate has a pH ranging from 9 to 13.

No. of Pages : 15 No. of Claims : 9

(21) Application No.2429/MUMNP/2013 A

# (19) INDIA

(22) Date of filing of Application :23/12/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : MODULATED IMMUNODOMINANCE THERAPY

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority</li><li>country</li></ul>	:A61K39/00,A61K39/245,A61K39/29 :61/490505 :26/05/2011 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)GENEIUS BIOTECHNOLOGY INVESTMENTS LLC Address of Applicant :14 Nichols Road Cohasset MA 02025</li> <li>U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)SLANETZ Alfred E.</li> </ul>
(86) International Application No Filing Date	:PCT/US2012/039605 :25/05/2012	
(87) International Publication No	:WO 2012/162620	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention involves generating a T cell response to subdominant antigens and using the cells to therapeutically change the cellular homeostasis and nature of the immune response. In a preferred embodiment the cells are generated outside of the patient avoiding the influence of the patient s immunologic milieu. By stimulating and growing the T cells from a patient in a tissue culture to one or more subdominant antigens and the transplanting them into the patient if enough cells are expanded and transplanted the transplanted cells overwhelm the endogenous dominant T cells in the response to either break or induce immune tolerance or otherwise modify the immune response to the cells or organism expressing that antigen. When the memory cells are established they are then reflective of this new immunodominance hierarchy so that the desired therapeutic effect is long lasting. In effect the transplantation exogenously generated T cells reactive to the subdominant antigens is recapitulating priming and rebalancing the patient s immune response to target previously subdominant antigens in the cells or organism to produce a therapeutic benefit.

No. of Pages : 70 No. of Claims : 19

(21) Application No.473/MUM/2013 A

# (19) INDIA

(22) Date of filing of Application :18/02/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : PREPARATION OF NANO TITANIUM OXIDE USING DISPERSING AGENTS.

(51) International classification	:C09D5/00, C01G 23/047	<ul> <li>(71)Name of Applicant :</li> <li>1)ADIVAREKAR RAVINDRA VITTHAL</li> <li>Address of Applicant :DEPARTMENT OF FIBERS AND</li> </ul>
(31) Priority Document No	:NA	TEXTILE PROCESSING TECHNOLOGY, INSTITUTE OF
(32) Priority Date	:NA	CHEMICAL TECHNOLOGY (DEEMED UNIVERSITY),
(33) Name of priority country	:NA	NATHALAL PAREKH MARG, MATUNGA (EAST), MUMBAI
(86) International Application No	:NA	400 019, MAHARASHTRA, INDIA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)ADIVAREKAR RAVINDRA VITTHAL
(61) Patent of Addition to Application Number	:NA	2)MEHRA NEHA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The present invention relates to an improved process for the synthesis of nano-sized titanium dioxide. The process involves reacting an aqueous solution of Tetraisopropylorthotitanate. High purity and crystalline nano titanium dioxide particles is synthesized by a solgel method. Dispersing agents like cationic as well as non-ion are used for reduction in size of the titania particles. This method provides a simple method for reduction in size of titanium dioxide particles with a minor modification of a standard process. The synthesized nano titanium dioxide particles are successfully applied onto cotton to obtain Antimicrobial activity.

No. of Pages : 31 No. of Claims : 13

(21) Application No.474/MUM/2013 A

# (19) INDIA

(22) Date of filing of Application :18/02/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : TITANIA MEMBRANE SUPPORT AND COMBUSTION METHOD FOR MAKING THE SAME

	D01D52/22	
(51) International classification		(71)Name of Applicant :
	B01D 71/02	
(31) Priority Document No	:NA	Address of Applicant : CHEMICAL ENGINEERING
(32) Priority Date	:NA	DEPARTMENT, INSTITUTE OF CHEMICAL TECHNOLOGY
(33) Name of priority country	:NA	(DEEMED UNIVERSITY), NATHALAL PAREKH MARG,
(86) International Application No	:NA	MATUNGA (EAST) MUMBAI 400 019, MAHARASHTRA,
Filing Date	:NA	INDIA
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)YADAV GANAPATI DADASAHEB
Filing Date	:NA	2)DOKE SURESH MARUTI
(62) Divisional to Application Number	:NA	3)CHINTALA CHERVU ANAND BABU
Filing Date	:NA	

(57) Abstract :

Preparation of titania membrane support has been disclosed herein. The membrane support of the invention comprises anatase and combination of anatase and rutile nano titania as basic metal. The said membrane composition has the % porosity in the range of 30 to 80, and a pore diameter in the range of 0.1-10 µm as per Hg Porosimetry. The titania membrane support shows good surface homogeneity and crack free nature.

No. of Pages : 23 No. of Claims : 13

(21) Application No.79/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :15/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SPEECH RECOGNITION USING CONTEXT AWARE RECOGNITION MODELS

(51) International classification	:G10L15/18	(71)Name of Applicant :
(31) Priority Document No	:61/498591	1)MMODAL IP LLC
(32) Priority Date	:19/06/2011	Address of Applicant :9009 Carothers Parkway Suite C 2
(33) Name of priority country	:U.S.A.	Franklin Tennessee 37067 U.S.A.
(86) International Application No	:PCT/US2012/043158	(72)Name of Inventor :
Filing Date	:19/06/2012	1)KOLL Detlef
(87) International Publication No	:WO 2012/177646	2)FINKE Michael
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Inputs provided into user interface elements of an application are observed. Records are made of the inputs and the state(s) the application was in while the inputs were provided. For each state a corresponding language model is trained based on the input(s) provided to the application while the application was in that state. When the application is next observed to be in a previously observed state a language model associated with the application s current state is applied to recognize speech input provided by a user and thereby to generate speech recognition output that is provided to the application. An application s state at a particular time may include the user interface element(s) that are displayed and/or in focus at that time.

No. of Pages : 38 No. of Claims : 36

(21) Application No.58/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :14/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : IDENTIFYING PEOPLE THAT ARE PROXIMATE TO A MOBILE DEVICE USER VIA SOCIAL GRAPHS SPEECH MODELS AND USER CONTEXT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:G10L17/00,H04L29/06,G06Q10/10 :61/504084 :01/07/2011 y:U.S.A. <sup>n</sup> :PCT/US2012/044723 :28/06/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :ATTN: International IP Administration 5775 Morehouse Drive San Diego California 92121 1714 U.S.A. (72)Name of Inventor : 1)GROKOP Leonard Henry 2)NARAYANAN Vidya</li></ul>
Filing Date (87) International Publication No	<sup>1</sup> :WO 2013/006385	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Techniques are provided to improve identification of a person using speaker recognition. In one embodiment a unique social graph may be associated with each of a plurality of defined contexts. The social graph may indicate speakers likely to be present in a particular context. Thus an audio signal including a speech signal may be collected and processed. A context may be inferred and a corresponding social graph may be identified. A set of potential speakers may be determined based on the social graph. The processed signal may then be compared to a restricted set of speech models each speech model being associated with a potential speaker. By limiting the set of potential speakers may be more accurately identified.

No. of Pages : 33 No. of Claims : 33

(21) Application No.69/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :15/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : NON AQUEOUS ORAL CARE COMPOSITIONS

(51) International classification	:A61K8/25,A61K8/34,A61K8/81	(71)Name of Applicant :
(31) Priority Document No	:11176458.5	1)UNILEVER PLC
(32) Priority Date	:03/08/2011	Address of Applicant : Unilever House 100 Victoria
(33) Name of priority country	:EPO	Embankment London EC4Y 0DY U.K.
(86) International Application	:PCT/EP2012/065163	(72)Name of Inventor :
No	:02/08/2012	1)ASHCROFT Alexander Thomas
Filing Date	.02/08/2012	2)BRIGNOLI Cinzia
(87) International Publication No.	o:WO 2013/017665	3)CASERINI Claudia
(61) Patent of Addition to	:NA	4)RAVIDA Nunziatino
Application Number	:NA	5)RUSTIONI Andrea
Filing Date	.NA	6)SALTELLI Roberta
(62) Divisional to Application	:NA	
Number	:NA :NA	
Filing Date	.11A	

(57) Abstract :

The invention provides a non aqueous oral care composition with a liquid continuous phase comprising a thickening agent a humectant and a crystalline structuring agent characterised in that the composition further comprises abrasive amorphous silica particles which are capable of acting as a booster to the cleaning ability of the composition and which have a weight mean particle size (d50) ranging from 3 to 15 microns. Preferred components are carboxyvinyl polymers as thickening agent glycerin as humectant and solid polyethylene glycols such as polyethylene glycol 3000 as structuring agent. The composition may further comprise a liquid polyethylene glycol. The composition has improved appearance (in particular shine or glossiness) and improved squeezability i.e. good rheology even at high temperatures (such as 40°C).

No. of Pages : 21 No. of Claims : 6

(21) Application No.80/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :15/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : LUER CONNECTORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:A61M39/00,F16L25/10 :61/569822 :13/12/2011 :U.S.A. :PCT/IL2012/050520 :12/12/2012 :WO 2013/088439 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ORIDION MEDICAL 1987 LTD. Address of Applicant :P.O. Box 45025 91450 Jerusalem ISRAEL.</li> <li>(72)Name of Inventor :</li> <li>1)COLMAN Joshua Lewis</li> </ul>
Filing Date (62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

There is provided herein a Luer connector for use in a respiratory gas sampling and/or delivery tubing systems the connector includes a primary Luer male connector having a form of a tapered cone comprising a secondary female section extending from a top distal part of the primary Luer male connector back towards a proximal part thereof wherein the primary Luer male connector comprises a first inner fluid flow channel extending along its length from a proximal end thereof to (and in fluid flow connection with) the secondary female section wherein the first inner fluid flow channel has a diameter of approximately dl wherein the diameter increases at a connection point between the first inner fluid flow channel and the secondary female section to form a neck N wherein the internal diameter of the neck N is between dl and d2 wherein the secondary female section has an internal diameter of d2 at a top distal part of the primary Luer female connector having a form of a tapered cone wherein at its deepest point the tapered cone inverts back into a secondary male section and returns into a void of the primary Luer female connector wherein the secondary male section comprises a second inner fluid flow channel extending along the length thereof and having an internal diameter of approximately dl wherein when the primary Luer male connector having a form of a tapered cone wherein at its deepest point the tapered cone inverts back into a secondary male section and returns into a void of the primary Luer female connector wherein the secondary male section comprises a second inner fluid flow channel extending along the length thereof and having an internal diameter of approximately dl wherein when the primary Luer male connector and the primary Luer female connector mate with each other the secondary male section is at least partially inserted into the secondary female section.

No. of Pages : 71 No. of Claims : 81

(19) INDIA

(22) Date of filing of Application :13/01/2014

(43) Publication Date : 21/11/2014

(21) Application No.54/MUMNP/2014 A

#### (54) Title of the invention : A LONG LASTING HIGH POWER DENSITY AND FLEXIBLE PHOTOVOLTAIC (PV) CRYSTALLINE CELL PANEL A METHOD FOR MANUFACTURING THE SOLAR PANEL AND INTEGRATED SOLAR POWER GENERATION AND SUPPLY SYSTEM

(51) International classification	:H01L31/042,H01L31/048,H01L31/045	(71)Name of Applicant : 1)VOELKNER Harold E.
(31) Priority Document No	:PCT/US2011/043880	Address of Applicant :202 5 International Trade Center 11 19 Sha Tsui Road Tsuen Wan N.T. Hong Kong CHINA.
(32) Priority Date	:13/07/2011	(72)Name of Inventor :
(33) Name of priority country	:U.S.A.	1)VOELKNER Harold E.
(86) International Application No Filing Date	:PCT/US2012/046504 :12/07/2012	
(87) International Publication No	:WO 2013/016010	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

This invention relates to a no glass thin low weight portable and se¬ mi portable subcategory of solar PV panels. It is designed for solar¬ izing outdoor consumer/industrial products. A thin (<3 10mm) high power density solar PV panel custom designed for each target prod¬ uct is using commercially available highest efficiency range (18 23%) solar PV crystalline cells which are encapsulated without glass by long life (10 15+years) flexible and very high transparency encapsu¬ lation specific materials. Solar PV crystalline cell panels and systems can be surface mounted on flat or multi curved surfaces. The thin PV crystalline cell panel has the following advantages: rugged and portable flexible or rigid lightweight and long life (10 15+years). The majority of these thin and flexible PV crystalline panel applications are currently mostly of mini panel size (0.01 1 OOWp) but large sized (over 500Wp) panels such as for multi curved surfaces on electric vehicles (land water and air) are being designed tested and installed.

No. of Pages : 27 No. of Claims : 17

(21) Application No.65/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :14/01/2014

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : NFC TYPE MOBILE COMMUNICATION TERMINAL AND CONTROL METHOD

(51) International classification	:H04W88/02,H04B5/02,G06K17/00	(71)Name of Applicant : 1)AQ CO.LTD.
(31) Priority Document No	:1020110058685	Address of Applicant :B 405 Gab eul Great Valley Bldg. 60 5
(32) Priority Date	:16/06/2011	Gasan Dong Geumcheon Gu Seoul 153 801 REPUBLIC OF
(33) Name of priority country	Republic of Korea	KOREA.
(86) International Application	<sup>1</sup> :PCT/KR2012/002174	(72)Name of Inventor :
NO	:26/03/2012	1)LEE Sang hoon
Filing Date		
(87) International Publication No	:WO 2012/173332	
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date		
(62) Divisional to Application	1.NIA	
Number		
Filing Date	:NA	

(57) Abstract :

The present invention relates to a near field communication (NFC) type mobile communication terminal and to a control method and more particularly to an NFC type mobile communication terminal which when moved to a specific region having an NFC tag positioned therein compulsorily controls communication terminal functions such as ringtones recording scanning and call forwarding by communicating with the tag.

No. of Pages : 38 No. of Claims : 14

(21) Application No.76/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :15/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PACKED TOWER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(20) Priority Part Part Part Part Part Part Part Part</li></ul>	:B01J8/02,B01J19/30,B01J10/00 :10 2011 112 779.1 :09/09/2011 :Germany	1)OUTOTEC OYJ Address of Applicant :Puolikkotie 10 FI 02230 Espoo FINLAND.
(86) International Application N Filing Date	o:PC1/EP2012/0668/9 :30/08/2012	(72)Name of Inventor : 1)DAUM Karl Heinz
(87) International Publication No		2)SCHALK Wolfram
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A packed tower in particular for the absorption of water or SO3 in sulfuric acid includes a bed (8) of packings (9) held on a domed grid (7) through which the sulfuric acid charged from above trickles a gas supply tube (5) provided in the lower region of the tower a gas outlet provided above the bed and an acid outlet (4) provided in the lower region of the tower. To reduce the corrosion the domed grid (7) is held on an L shaped ring (10) such that between the outside diameter of the domed grid (7) and the jacket (2) of the packed tower (1) a gap (15) is formed.

No. of Pages : 13 No. of Claims : 10

(21) Application No.81/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :15/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : FORMULATIONS OF FLUORINATED STILBENE SUITABLE FOR PET IMAGING

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li></ul>	:A61K51/04,A61K47/10,A61K47/22 :11005047.3	<ul> <li>(71)Name of Applicant :</li> <li>1)PIRAMAL IMAGING SA Address of Applicant :Route de lEcole 13 CH 1753 Matran</li> </ul>
(32) Priority Date	:21/06/2011	Switzerland
(33) Name of priority country	:EPO	(72)Name of Inventor : 1)OLBRICH CARSTEN
(86) International Application No Filing Date	:PCT/EP2012/062034 :21/06/2012	2)KRAUSE Michael 3)BURKHARD Andreas 4)RICHTER Annett
(87) International Publication No	:WO 2012/175641	5)BRAUN Rainer
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention is directed to formulations of lipophilic Amyloid beta ligand stilbene and more particularly to formulations which are capable to be administered parenterally e.g. intravenously wherein the lipophilic Amyloid beta ligand stilbene is a fluorinated stilbene. Further the invention is directed to a method for sterile filtration of formulations suitable for PET imaging of mammals pursuant to the invention.

No. of Pages : 25 No. of Claims : 10

#### (19) INDIA

(22) Date of filing of Application :06/02/2013

#### (21) Application No.348/MUM/2013 A

(43) Publication Date : 21/11/2014

:102012002169.0 :07/02/2012 :Germany :NA :NA : NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)EPPENDORF AG Address of Applicant :BARKHAUSENWEG 1, D-22339</li> <li>HAMBURG, Germany</li> <li>(72)Name of Inventor :</li> <li>1)HOLGER LINK</li> <li>2)JENS WILMER</li> </ul>
	:102012002169.0 :07/02/2012 :Germany :NA :NA :NA :NA :NA :NA

#### (57) Abstract :

A pipette with a displacement unit comprising a rod-shaped lower housing part with a displacement chamber disposed therein with a shiftable boundary, a contact element, connected to the shiftable boundary, at an upper housing opening at the top of the lower housing part, a shoulder for connecting to a pipette tip at the bottom of the lower housing part, and a connecting channel between the displacement chamber and the free end of the shoulder, a drive unit for driving the shiftable boundary of the displacement unit in a rod-shaped upper housing part, a drive device disposed therein, an actuating element at the upper housing part interacting with the drive device, and a drive element interacting with the drive device at a lower opening of the housing at the bottom of the upper housing part, that can be shifted downward in the actuating direction by actuating the actuating element, in order to perform a dosing stroke of the shiftable boundary, means for the detachable connection that detachably connects together the upper housing part and the lower housing partner into a rod-shaped housing in an arrangement in which the drive element rests on the contact element, an ejection device which has an ejection slider shiftably disposed at the lower housing part where the ejection slider has on the bottom an ejection end for detaching a pipette tip from the shoulder, and the ejection device further has, disposed on the upper housing part, a shiftable ejection extension that is connected at the bottom to the upper end of the ejection slider, and at the top has an actuating end, an end stop disposed in the upper housing part and connected securely fixed to the upper housing part, and an end stop element connected to the drive element for limiting the downward shifting of the drive element, a decoupling device between the drive device and a drive element that, with the contact of the end stop element at the end stop and continued shifting of the actuating element in the actuating direction, decouples the drive element from the drive device, and a lower stop body that can be coupled to the drive device, and that upon decoupling of the drive element from the drive device by the decoupling device strikes the actuating end of the ejection extension in order, with further shifting of the actuating element in the actuating direction, to shift downward the ejection extension and the ejection slider.

No. of Pages : 43 No. of Claims : 17

(21) Application No.82/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :15/01/2014

(43) Publication Date : 21/11/2014

### (54) Title of the invention : HOLLOW MEMBER AND METHOD FOR FORMING HOLLOW MEMBER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B60G9/04,B60G9/04 :2011-200297 :14/09/2011 :Japan :PCT/JP2012/002781 :23/04/2012 :WO 2013/038580 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)Y TEC CORPORATION Address of Applicant :3 74 Soda Kaita cho Aki gun Hiroshima</li> <li>7360003 Japan</li> <li>2)FUJI GIKEN CO. LTD.</li> <li>(72)Name of Inventor :</li> <li>1)EDAHIRO Takeshi</li> <li>2)AKUTAGAWA Norifumi</li> <li>3)YAMANE Kyotaro</li> <li>4)HIRAOKA Teruhisa</li> <li>5)YASUDA Kazumi</li> <li>6)ANDO Shigeaki</li> <li>7)HASHIMOTO Masaru</li> <li>8)ANDO Yuichi</li> <li>9)TSURUTA Tetsuya</li> </ul>
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(57) Abstract :

A hollow member formed in a tube like shape and subjected to a torsional force acting about the center axis of the hollow member is characterized in that a part of the peripheral wall of the hollow member is heated to increase the hardness of the outer side of the peripheral wall to a level higher than the hardness of the outer side of the peripheral wall before the part of the peripheral wall is heated and higher than the hardness of the inner side of the peripheral wall and in that the hollow member is subjected to partial heat treatment which reduces residual stress in the inner side of the peripheral wall.

No. of Pages : 23 No. of Claims : 5

(21) Application No.88/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :16/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD AND APPARATUS FOR APPLICATION OF PRECODER INFORMATION AT THE UE IN CLOSED LOOP TRANSMIT DIVERSITY

(51) International classification (31) Priority Document No	:H04B7/04 :61/523766	(71)Name of Applicant : 1)QUALCOMM INCORPORATED
(32) Priority Date	:15/08/2011	Address of Applicant : Attn: International IP Administration
(33) Name of priority country	:U.S.A.	5775 Morehouse Drive San Diego California 92121 U.S.A.
(86) International Application No		(72)Name of Inventor :
Filing Date	:14/08/2012	1)BHARADWAJ Arjun
(87) International Publication No	:WO 2013/025734	2)SAMBHWANI Sharad Deepak
(61) Patent of Addition to Application	:NA	3)MOHAN Siddharth
Number	:NA	
Filing Date	. NT 4	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Apparatus and methods are described herein for applying precoding information updates at a user equipment (UE). The UE receives precoder information from a network component. The UE can them transmit packet data over a transmit time interval (TTI) of tow or more slots using transmit diversity. The UE updates the precoder for transmit diversity with the precoder information in a slot subsequent to the first slot in the TTI. The precoder information is applied to update the precoder at a slot boundary within the TTI.

No. of Pages : 32 No. of Claims : 32

(21) Application No.2468/MUMNP/2013 A

#### (19) INDIA

(22) Date of filing of Application :30/12/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SURFACE TREATMENT AGENT WITH HIGH PHOTOCATALYTIC AND SANITARY EFFECTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)ADVANCED MATERIALS JTJ S.R.O. Address of Applicant :Kamenn Žehrovice 23 27301 Kamenn Žehrovice Czech Republic</li> <li>(72)Name of Inventor :</li> <li>1)DROCH ZKA SB: Len</li> </ul>
	:PCT/CZ2012/000054 :21/06/2012 :WO 2013/000441 :NA	-
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract :

Surface treatment agent with high photocatalytic and sanitary effects based on TiO nanoparticles comprising 10 to 500 g of TiOnanoparticles per 1 liter of water and binding ingredient A which is an inorganic binder selected from the group comprising ZnO MgO CaO Ca(OH) Mg(OH) CaCO MgCO NaCO KCO in the amount of 0.1 to 10% by weight related to the weight of TiO. Agent for treatment of surfaces for application on surfaces which comprise a minimum of 50% of substances selected from the group formed by CaCO MgCO ZnO MgO CaO Ca(OH) Mg(OH) or their mixtures where the agent contains 10 to 500 g of TiO nanoparticles per 1 liter of water and optionally contains a minimum of 0.1 wt% HCO related to the weight of TiO.

No. of Pages : 14 No. of Claims : 7

(21) Application No.2469/MUMNP/2013 A

#### (19) INDIA

(22) Date of filing of Application :31/12/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : SADDLE SA	FETY DEVICE	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:B68C1/14 :NA :NA :NA :PCT/ES2011/070474 :29/06/2011 :WO 2013/001104 :NA :NA :NA	(71)Name of Applicant : 1)RODRIGUEZ OJEDA Rodrigo Address of Applicant :Viba±o s/n E 33508 Llanes (Asturias) Spain (72)Name of Inventor : 1)RODRIGUEZ OJEDA Rodrigo

(57) Abstract :

Saddle safety device comprising: A) a harness that comprises a belt (4) that can be fastened around the waist of a rider (1) mounted on a horse (2) in which said belt (4) is secured by means of securing elements (5) to bars (10) anchored to a securing base (8) located on the horse (2); B) a rapid closure (9) to which the belt (4) is anchored; and C) a sensor (16) for sensing the position of the horse (2) which can act on the rapid closure (9).

No. of Pages : 33 No. of Claims : 5

(21) Application No.61/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :14/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD FOR PREPARING FATTY ACYL AMIDO CARBOXYLIC ACID BASED SURFACTANTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> <li>(57) Abstract :</li> </ul>	:C07C231/02,C07C233/47,C07C233/49 :13/192489 :28/07/2011 :U.S.A. :PCT/EP2012/064772 :27/07/2012 :WO 2013/014268 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)UNILEVER PLC Address of Applicant :Unilever House 100 Victoria Embankment London EC4Y 0DY U.K.</li> <li>(72)Name of Inventor :</li> <li>1)HARICHIAN Bijan</li> <li>2)AU Van</li> <li>3)AHTCHI ALI Badreddine</li> <li>4)WINTERS John Robert</li> <li>5)DIVONE Peter Anthony</li> </ul>
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(57) Abstract :

A process is provided for preparing C C acyl glycinate acid or salt thereof via reacting and heating reacting a mixture of glycine or salt thereof with a fatty acid ester in a medium selected from the group consisting of glycerol propylene glycol and combinations thereof and wherein the mixture has a pKa ranging from 9.5 to 13.

No. of Pages : 24 No. of Claims : 21

#### (19) INDIA

(22) Date of filing of Application :20/02/2013

(21) Application No.495/MUM/2013 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : THREAD SPLICING DEVICE FOR A TEXTILE MACHINE PRODUCING CROSS-WOUND BOBBINS

(51) International classification	:B65H69/06	(71)Name of Applicant :
(31) Priority Document No	:102012005861.6	
(32) Priority Date	:22/03/2012	Address of Applicant :LEVERKUSER STRASSE 65, D-
(33) Name of priority country	:Germany	42897 REMSCHEID, Germany
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)KOHLEN, HELMUT
(87) International Publication No	: NA	2)NEUBIG, OTTMAR
(61) Patent of Addition to Application Number	:NA	3)SCHATTON, SIEGFRIED
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The present invention relates to a device for splicing, in other words for the knot-free connection of thread ends of two threads, for a textile machine producing cross-wound bobbins with a mechanism to mechanically prepare the threads, a compressed air-loadable splicing prism to pneumatically intermingle the fibres of the threads, which can be placed in a splicing channel of the splicing prism, and venting channels crossing the splicing channel. According to the invention it is provided that the splicing prism (32) has at least three venting channels (42, 43, 44), the two outer venting channels (42, 44) being arranged in such a way that the splicing air bores (41) of the splicing prism (32) are located between these venting channels (42,44).

No. of Pages : 19 No. of Claims : 7

(21) Application No.229/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :04/02/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : PHARMACEUTICAL COMPOSITION COMPRISING A DRUG CONTAINING AT LEAST ONE TOXICOPHORE FUNCTION AND N ACETYL L CYSTEINE

Application No       :PCT/EP2011/063829         Application No       :11/08/2011         (87) International       :WO 2013/020600         Publication No       :NA         (61) Patent of Addition to       :NA         Filing Date       :NA         (62) Divisional to       :NA         Application Number       :NA         Filing Date       :NA         Filing Date       :NA	Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:11/08/2011 :WO 2013/020600 <sup>O</sup> :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CROSS SA Address of Applicant : Via F.A. Giorgioli CH 6864 Arzo Switzerland</li> <li>2)EURODRUG LABORATORIES B.V.</li> <li>(72)Name of Inventor :</li> <li>1)ASSANDRI Alessandro</li> <li>2)VAN GULIK Frederick</li> </ul>
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(57) Abstract :

The present invention relates to a pharmaceutical composition containing at least one drug containing at least a toxicophore function N acetyl L cysteine (NAC) at least one antioxidant agent and at least one pharmaceutically acceptable excipient and the same for use in the prevention and/or reduction of the occurrence of idiosyncratic adverse drug reactions (IADRs) caused by said drug.

No. of Pages : 34 No. of Claims : 17

(21) Application No.239/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :05/02/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : GENES AND PROTEINS FOR ALKANOYL COA SYNTHESIS

<ul> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> </ul>	:C12N15/52,C12N15/29,C12N9/00 :61/507331 :13/07/2011 :U.S.A. :PCT/CA2012/000656 :13/07/2012 :WO 2013/006953 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)NATIONAL RESEARCH COUNCIL OF CANADA Address of Applicant :1200 Montreal Road Ottawa Ontario K1A 0R6 Canada</li> <li>2)UNIVERSITY OF SASKATCHEWAN</li> <li>(72)Name of Inventor :</li> <li>1)PAGE Jonathan E.</li> <li>2)STOUT Jason M.</li> </ul>
(62) Divisional to Application	:NA :NA	

(57) Abstract :

Polypeptides having alkanoyl CoA activity have been identified and characterized as have nucleic acids encoding these polypeptides. Expression or over expression of the nucleic acids alters levels of cannabinoid compounds in organisms. The polypeptides may be used in vivo or in vitro to produce cannabinoid compounds.

No. of Pages : 52 No. of Claims : 26

(21) Application No.36/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :09/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : LEAD ACID BATTERY FORMULATIONS CONTAINING DISCRETE CARBON NANOTUBES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:H01M4/68 :61/500561 :23/06/2011 :U.S.A. :PCT/US2012/043538 :21/06/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)MOLECULAR REBAR DESIGN LLC Address of Applicant :13477 Fitzhugh Road Austin Texas</li> <li>78736 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)BOSNYAK Clive P.</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:WO 2012/177869 :NA :NA :NA :NA	2)SWOGGER Kurt W.

(57) Abstract :

Compositions of discrete carbon nanotubes for improved performance lead acid batteries. Further disclosed is a method to form a lead acid battery with discrete carbon nanotubes.

No. of Pages : 21 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :20/02/2013

(21) Application No.497/MUM/2013 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : FIBER COMPOSITIONS

	:D21H11/20,	(71)Name of Applicant :
(51) International classification	D21H17/09,	1)RELIANCE INDUSTRIES LIMITED
	D21H17/00,	Address of Applicant :3RD FLOOR, MAKER CHAMBER-
(31) Priority Document No	:NA	IV, 222, NARIMAN POINT, MUMBAI-400021,
(32) Priority Date	:NA	MAHARASHTRA, INDIA
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)GAJELLI CHANDRAMOULI GANGARAM
Filing Date	:NA	2)KELKAR ANIL KRISHNA
(87) International Publication No	: NA	<b>3)GURUDATT KRISHNAMURTHY</b>
(61) Patent of Addition to Application Number	:NA	4)NIKAM SURESH BHANUDAS
Filing Date	:NA	5)BHANGALE VIKAS KADU
(62) Divisional to Application Number	:NA	6)ARORA ARUN
Filing Date	:NA	

(57) Abstract :

The present disclosure relates to surface modified polyester fibers comprising fibers of at least one polyester coated with least one surface modifier wherein the ratio of the polyester to the surface modifier ranges from 1:0.1 to 1:0.5. The present disclosure also relates to a process for preparing surface modified polyester fibers and a cementitious product comprising surface modified polyester fibers.

No. of Pages : 16 No. of Claims : 15

#### (19) INDIA

(22) Date of filing of Application :18/02/2013

(21) Application No.454/MUM/2013 A

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : SYNTHESIS OF N2-FURFURYL DEOXYGUANOSINE PHOSPHORAMIDITE AND MODIFIED OLIGONUCLEOTIDES

(51) International classification C12 C07	(72)Name of Inventor : 1)GORE, KIRAN, R. 2)NAIR, DEEPAK, T. 3)PRADEEPKUMAR, P.I.
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(57) Abstract :

N2-furfuryl deoxyguanosine phosphoramidite compound of formula 4 is provided which are building blocks for synthesis of modified DNA. A process of synthesis of N2 -furfuryl deoxyguanosine phosphoramidite is also provided which is safe and economically viable. The modified amidite has been successfully incorporated into oligonucleotides by solid phase DNA synthesis.

No. of Pages : 28 No. of Claims : 7

(21) Application No.67/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :14/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD FOR MANUFACTURING ORIENTED POLYOLEFIN FILM AND ORIENTED POLYOLEFIN FILM MANUFACTURED THEREFROM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:B29C55/10,B29C47/88,C08J5/18 :10-2011-0070509 :15/07/2011 :Republic of Korea	<ul> <li>(71)Name of Applicant :</li> <li>1)YOUL CHON CHEMICAL CO. LTD. Address of Applicant :#370 1 Sindaebang dong Dongjak gu Seoul 156 709 REPUBLIC OF KOREA.</li> </ul>
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:PCT/KR2012/005175 :29/06/2012	<ul> <li>(72)Name of Inventor :</li> <li>1)KIM Jong Chul</li> <li>2)KUM Jong Ha</li> <li>3)PARK Sung Woo</li> </ul>
No (61) Patent of Addition to Application Number Filing Date	:WO 2013/012186 :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

Disclosed are a method for manufacturing an oriented polyolefin film for thermal lamination and the oriented polyolefin film for thermal lamination manufactured therefrom. Since the method comprises additional extrusion and cooling steps after orientation in the longitudinal direction, a resin layer is laminated through the additional extrusion step and lamination through successive extrusion thereof is enabled if a resin has a low melting point. Therefore, the manufacturing process is simple and the manufacturing time is reduced, thereby reducing production costs for products and improving an interlayer adhesive force.

No. of Pages : 35 No. of Claims : 8

(21) Application No.266/MUM/2013 A

# (19) INDIA

(22) Date of filing of Application :30/01/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : MASTER CYLINDER WITH PISTON STROKE LIMITATION

(51) International classification	:B29C45/33, B29C45/14, B60T11/20	<ul> <li>(71)Name of Applicant :</li> <li>1)SCHAEFFLER TECHNOLOGIES AG &amp; CO.KG Address of Applicant :INDUSTRIESTRASSE 1-3, 91074</li> </ul>
(31) Priority Document No	:102012203956.2	HERZOGENAURACH, Germany
(32) Priority Date	:14/03/2012	(72)Name of Inventor :
(33) Name of priority country	:Germany	1)ALEXANDRE CHEVET
(86) International Application No	:NA	2)SARAVANAN LAKSHMINARAYANAN
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a master cylinder for clutch and brake systems of a motor vehicle comprising a piston, a piston rod in operative connection with the piston to axially move the piston in a housing. The piston rod comprises a front stop region formed on the piston rod to interact with a first stop surface provided on the housing and thus to limit a front position of the piston upon a return stroke of the piston. Furthermore a rear stop region is formed on the piston rod to interact with a second stop surface formed on the housing and thus to limit a rear position of the piston upon a forward stroke of the piston. In addition, a sealing gaiter is provided that acts as a seal between the housing and the piston rod, one end of the sealing gaiter being fixed to the piston rod stop region that limits the forward stroke of the piston.

No. of Pages : 13 No. of Claims : 10

(21) Application No.73/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :15/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : HYBRID MULTI SPECTRUM PHOTOSENSITIVE PIXEL GROUP PHOTOSENSITIVE DEVICE AND PHOTOSENSITIVE SYSTEM

(51) International classification	:H01L27/146	(71)Name of Applicant :
(31) Priority Document No	:NA	1)BOLY MEDIA COMMUNICATIONS (SHENZHEN) CO.
(32) Priority Date	:NA	LTD
(33) Name of priority country	:NA	Address of Applicant :2F Shanshui Building A B Yungu
(86) International Application No	:PCT/CN2011/076335	Innovation Industrial Park No.1183 LiuxianBlvd Nanshan District
Filing Date	:24/06/2011	Shenzhen Guangdong 518067 China
(87) International Publication No	:WO 2012/174751	(72)Name of Inventor :
(61) Patent of Addition to Application	:NA	1)HU Xiaoping
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A hybrid multi spectrum photosensitive pixel group a photosensitive device and a photosensitive system are provided. The hybrid multi spectrum photosensitive pixel group comprises at least one electroless plating photosensitive pixel and at least one semiconductor photosensitive pixel. The electroless plating photosensitive pixel and the semiconductor photosensitive pixel are combined to produce a multi spectrum photosensitive pixel which can get a number of color signals and other spectrum signals at the same time to maximize the use of the incident photon energy and while color is completely reconstructed other spectrum images are obtained including UV images near infrared images and far infrared images.

No. of Pages : 69 No. of Claims : 40

(21) Application No.95/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :16/01/2014

(43) Publication Date : 21/11/2014

### (54) Title of the invention : PLAYBACK DEVICE PLAYBACK METHOD AND PROGRAM

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:G11B20/10,H04N5/76,H04N5/93 :2011-157851 :19/07/2011 :Japan :PCT/JP2012/067714 :11/07/2012 :WO 2013/011895	<ul> <li>(71)Name of Applicant :</li> <li>1)SONY CORPORATION <ul> <li>Address of Applicant :1 7 1 Konan Minato ku Tokyo 1080075</li> </ul> </li> <li>Japan <ul> <li>(72)Name of Inventor :</li> <li>1)FUKUI Koji</li> <li>2)OONUMA Kensuke</li> </ul> </li> </ul>
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:NA :NA	
Number Filing Date	:NA :NA	

#### (57) Abstract :

The present technology relates to a playback device playback method and program whereby looped playback of video can be performed with ongoing audio output. The playback device includes a playback unit for asynchronously playing a first stream and a second stream and the first stream is comprised of a first browsing unit and a second browsing unit. The second browsing unit is defined as a browsing unit including a part of the first browsing unit. Further the playback unit plays the second browsing unit after the first browsing unit and controls playback so that playback shifts to the beginning of the first browsing unit after playback of the second browsing unit. The present technology can be applied to a Blu ray disc player.

No. of Pages : 53 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :11/01/2014

(21) Application No.50/MUMNP/2014 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : COLLECTOR MIRROR FOR A SOLAR CONCENTRATOR COMPRISING LINEAR FRESNEL MIRRORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:F24J2/10,F24J2/14 :11/02215 :13/07/2011 :France :PCT/FR2012/000292 :13/07/2012 :WO 2013/007900	SCIENTIFIQUE (72)Name of Inventor :
		· ·
(87) International Publication No	:WO 2013/007900	(72)Name of Inventor :
(61) Patent of Addition to Application Number Filing Date	:NA :NA	1)XIAO Gang
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a collector mirror (2) which is a component of a solar concentrator comprising linear Fresnel mirrors. The collector mirror (2) includes a reflective strip. The collector mirror (2) is provided with a device capable of generating a negative pressure () behind the reflective strip (6).

No. of Pages : 20 No. of Claims : 16

(21) Application No.9/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :03/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : IMAGE PICKUP APPARATUS AND SIGNAL VALUE CORRECTION METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:H04N9/07 :2011-155136 :13/07/2011 :Japan :PCT/JP2012/065833 :21/06/2012 :WO 2013/008598 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)FUJIFILM Corporation Address of Applicant :26 30 Nishiazabu 2 chome Minato ku Tokyo 1068620 Japan</li> <li>(72)Name of Inventor :</li> <li>1)YAMASHITA Hayato</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract :

An image pickup apparatus, wherein the arrangement period(3—3, for example) of basic array patterns (BP) of color filters is different from the arrangement period (2—2, for example) of shared structure patterns (CP) of shared amplifiers (66), is provided with: a correction factor storage unit that stores a plurality of first correction factors corresponding to each of a plurality of colors, and a plurality of second correction factors corresponding to each of a plurality of relative positions (upper-left, upper-right, lower-left, and lower-right) of pixels with respect to the position of a shared amplifier (66); and a sensitivity correction unit that selects first correction factors corresponding to the color filters above each of the pixels, from among the plurality of first correction factors, and selects second correction factors corresponding to the relative positions of each of the pixels, from among the plurality of second correction factors, and applies the selected first correction factors and second correction factors to signal values of each of the pixels for the calculation thereof.

No. of Pages : 51 No. of Claims : 13

(21) Application No.56/MUMNP/2014 A

### (19) INDIA

(22) Date of filing of Application :13/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD AND DEVICE FOR ASSESSING THE LEVEL OF MICROBIAL ACTIVITY OF SOIL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G01N33/24 :VI2011A000154 :13/06/2011 :Italy :PCT/IB2012/001157 :13/06/2012 :WO 2012/140523 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)UNIVERSITA DEGLI STUDI DI PADOVA Address of Applicant :Via 8 Febbraio 2 I 35122 Padova ITALY.</li> <li>(72)Name of Inventor :</li> <li>1)SQUARTINI Andrea</li> <li>2)CONCHERI Giuseppe</li> <li>3)TIOZZO NETTI Stefano</li> </ul>
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#### (57) Abstract :

The invention concerns a method and a device for assessing the level of microbial activity of a substrate (9) preferably agricultural soil biomass and other contexts where there is enzymatic activity. The method comprises the following steps: preparing one or more biodegradable threads (8); tensioning the one or more biodegradable threads with a pre defined tension; introducing the one or more tensioned biodegradable threads partially in the substrate; leaving the one or more biodegradable threads in the substrate; measuring the time elapsed from the introduction of the one or more biodegradable threads in the substrate to the breakage of the one or more threads. The device (1) comprises one or more biodegradable threads (8) and for each thread a first fixing element (12) suited to fix one end of the biodegradable thread and a second fixing element (20) suited to fix the other end of the biodegradable thread between which each biodegradable thread can be independently tightened with a pre defined tension. A respective kit is also described.

No. of Pages : 35 No. of Claims : 14

(21) Application No.83/MUMNP/2014 A

### (19) INDIA

(22) Date of filing of Application :15/01/2014

(43) Publication Date : 21/11/2014

### (54) Title of the invention : ALLOCATING PHYSICAL HYBRID ARQ INDICATOR CHANNEL (PHICH) RESOURCES

(57) Abstract :

Certain aspects of the present disclosure relate to techniques for allocating resources for Physical Hybrid Automatic Repeat Request (HARQ) Indicator Channel (PHICH).

No. of Pages : 49 No. of Claims : 42

(21) Application No.486/MUM/2013 A

#### (19) INDIA

(22) Date of filing of Application :19/02/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : AN IMPROVED MAGNESIUM DICHLORIDE SUPPORTED TITANIUM CATALYST COMPOSITION FOR POLYOLEFIN POLYMERIZATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:C08F4/654, C08F10/00 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)RELIANCE INDUSTRIES LIMITED Address of Applicant :3RD FLOOR, MAKER CHAMBER- IV, 222, NARIMAN POINT, MUMBAI-400021, MAHARASHTRA, INDIA</li> <li>(72)Name of Inventor :</li> </ul>
<ul> <li>(80) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA :NA :NA	<ul> <li>(72)Name of Inventor 1</li> <li>1)VYAS PRIYANSHU BHARATKUMAR</li> <li>2)PATIL HARSHAD RAMDAS</li> <li>3)GUPTA VIENDRAKUMAR</li> </ul>

#### (57) Abstract :

In the present disclosure, a Ziegler-Natta catalyst composition for the polymerization of olefin monomers to produce polyolefin with controlled molecular weight distribution is provided wherein said controlled molecular weight distribution ranges from narrow to broad. The desired control over the molecular weight distribution of polyolefin is accomplished by using a Ziegler-Natta catalyst composition having enhanced self-extinguishing property. In the Zeigler-Natta catalyst composition of the present disclosure, in addition to a titanium and magnesium containing pro-catalyst component, a mixture of tri-alkyl aluminum compounds as a co-catalyst mixture is used. The particular combination of tri-alkyl aluminum compounds in a predetermined weight proportion provides desirable control over the molecular weight distribution of polyolefin.

No. of Pages : 28 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :12/02/2013

(21) Application No.417/MUM/2013 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR PREDICTING WIND CONDITIONS IN WIND FARM (51) International classification :F03D 7/00 (71)Name of Applicant : :10-2012-1)INDUSTRIAL COOPERATION FOUNDATION (31) Priority Document No 0022817 CHONBUK NATIONAL UNIVERSITY (32) Priority Date :06/03/2012 Address of Applicant :664-14, DEOKJIN-DONG, DEOKJIN-:Republic GU, JEONJU-SI, JEONBUK, Republic of Korea (33) Name of priority country (72)Name of Inventor : of Korea 1)YONG CHEOL KANG (86) International Application No :NA Filing Date :NA 2)YEON HEE KIM (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract :

The present invention provides a method for predicting wind conditions in a wind farm, the method including the steps of: (a) measuring wind conditions including a wind speed and a wind direction by means of wind condition measurement devices disposed outside the wind farm; (b) compensating for an error occurring while the wind conditions measured by the wind condition measurement devices are reaching the wind farm; and (c) calculating wind conditions in each wind turbine in the wind farm after a predetermined time based on the wind conditions whose error is compensated in step (b). According to the present invention, it is possible to stably operate the wind farm and effectively operate the entire power grid associated with the wind farm by accurately predicting the wind conditions after a predetermined time to minimize the fluctuation in power output of the wind farm due to a change in the wind conditions.

No. of Pages : 22 No. of Claims : 6

(21) Application No.90/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :16/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : USE OF JAZ5A FOR IMPROVING DROUGHT RESISTANCE IN A PLANT

(51) International classification (31) Priority Document No	:C07K14/415,C12N15/82, C12Q1/68 :61/505391	<ul> <li>(71)Name of Applicant :</li> <li>1)KEYGENE N.V.</li> <li>Address of Applicant :P.O. Box 216 NL 6700 AE Wageningen</li> </ul>
(32) Priority Date	:07/07/2011	THE NETHERLANDS.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/NL2012/050481	1)VAN TUNEN Adrianus Johannes
Filing Date	:05/07/2012	
(87) International Publication No	:WO 2013/006058	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention provides use of a plant gene for improving drought resistance of a plant. It further provides a method for improving the drought resistance of a plant comprising enhancing the expression or activity of Jaz5A in said plant.

No. of Pages : 37 No. of Claims : 22

(21) Application No.97/MUMNP/2014 A

### (19) INDIA

(22) Date of filing of Application :16/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : CONTROL DEVICE CONTROL METHOD AND PROGRAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> </ul>	:H04N5/60,H04N7/173 :2011-162789 :26/07/2011 :Japan :PCT/JP2012/004588 :19/07/2012 :WO 2013/014886 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SONY CORPORATION <ul> <li>Address of Applicant :1 7 1 Konan Minato ku Tokyo 1080075</li> </ul> </li> <li>Japan <ul> <li>(72)Name of Inventor :</li> <li>1)TATEISHI Kazuya</li> </ul> </li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An information processing apparatus includes a processor that receives captured image data and captured sound data corresponding to an environment in which content is reproduced and detects a user based on the captured image data and analyzes a situation of the environment based on a result of the detection and the captured sound data and controls an audio volume corresponding to reproduced content based on a result of the analyzing.

No. of Pages : 50 No. of Claims : 21

#### (19) INDIA

(22) Date of filing of Application :06/02/2013

(21) Application No.352/MUM/2013 A

(43) Publication Date : 21/11/2014

(54) Title of the invention : WIND TURBINE GENERATOR			
(51) International classification	:F03D7/02	(71)Name of Applicant :	
(31) Priority Document No	:2012- 025931	1)NIDEC CORPORATION Address of Applicant :338 KUZETONOSHIRO-CHO,	
(32) Priority Date	:09/02/2012	MINAMI-KU, KYOTO 601-8205 Japan	
(33) Name of priority country	:Japan	(72)Name of Inventor :	
(86) International Application No	:NA	1)TOSHIFUMI FUKUI	
Filing Date	:NA	2)KOSUKE MIZUIKE	
(87) International Publication No	: NA		
(61) Patent of Addition to Application Number	:NA		
Filing Date	:NA		
(62) Divisional to Application Number	:NA		
Filing Date	:NA		

#### (57) Abstract :

A wind turbine generator includes a windmill shaft arranged to extend along a first axis extending in a front-rear direction; a windmill portion arranged on a front end portion of the windmill shaft, and including a plurality of blades arranged to extend radially outward with respect to the first axis; an electric generator including a stator and a rotor arranged to rotate with respect to the stator and connected with the windmill shaft directly or through a transmission system; a body portion arranged to have the electric generator attached thereto; a bearing portion arranged to support the body portion such that the body portion is capable of turning in a circumferential direction about a second axis extending in a vertical direction and perpendicularly to the first axis; a support member arranged to extend along the second axis, and arranged to support the bearing portion; a lead wire connected to the stator, and arranged to extend along the support member; and a connection cable shaped like rope and arranged to connect the body portion and the support member with each other. The connection cable includes a cable member and an elastic member connected to the cable member.

No. of Pages : 32 No. of Claims : 11

(21) Application No.64/MUMNP/2014 A

### (19) INDIA

(22) Date of filing of Application :14/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : FATTY ACYL AMIDO BASED SURFACTANT CONCENTRATES

(51) Intermetica 1 - 1 : fi ti	.011D1/10	
(51) International classification	:C11D1/10	(71)Name of Applicant :
(31) Priority Document No	:13/192492	1)UNILEVER PLC
(32) Priority Date	:28/07/2011	Address of Applicant :100 Victoria Embankment London
(33) Name of priority country	:U.S.A.	EC4Y 0DY U.K.
(86) International Application No	:PCT/EP2012/064770	(72)Name of Inventor :
Filing Date	:27/07/2012	1)HARICHIAN Bijan
(87) International Publication No	:WO 2013/014266	2)AU Van
(61) Patent of Addition to Application	:NA	3)AHTCHI ALI Badreddine
Number		4)WINTERS John Robert
Filing Date	:NA	5)DIVONE Peter Anthony
(62) Divisional to Application Number	:NA	-
Filing Date	:NA	

(57) Abstract :

A surfactant concentrate is provided that includes C C acyl amido compounds a polyol and C C fatty acids. The concentrate is formed via an interesterification reaction between a fatty acid ester and an amino compound or salt thereof in a polyol. The resultant surfactant concentrate will have a Hunter Lab Color Scale value L ranging from 70 to 100 and comprises 40 to 90 % by weight of C C acyl amido compounds 10 to 60 % by weight of polyol and 1 to 20 % by weight of fatty acids.

No. of Pages : 28 No. of Claims : 11

(21) Application No.78/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :15/01/2014

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : AN IMPROVED HIGH EFFICIENCY ENERGY SAVING DEVICE FOR INSERTING BETWEEN A POWER SOURCE AND A MOTIVE AND/OR LIGHTING POWER LOAD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ENERGIA EUROPA S.P.A. Address of Applicant :Via Trieste 222/B 36010 Zane (VI) ITALY.</li> <li>(72)Name of Inventor :</li> <li>1)DANTUONO Ernesto</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

An energy saving device (1) inserted between a three phase power supply (A) and a three phase load (L) comprising a three phase electrical transformer (10) each phase of which includes a transformation assembly (11) with a primary winding (2) connected at a first end (5) to one phase of the power supply (A) and electromagnetically coupled to a secondary winding (3) connected at its second end (S1) to one phase of the load (L). The device (1) involves the primary winding (2) comprising two portions (21 22) where a principal portion (21) extends between a first point (PO) and a second point (P1) and the second portion (22) extends from the second point (P1) to a third point (P2). The device also involves each of the transformation assemblies (11) being dimensioned so that the value of the voltage (Vpo p2) established between the first point (P0) and the third point (P2) of the primary winding (2) is in the range defined by the voltage (Vkvp) applied to the principal portion (21) multiplied by the coefficients 1.2043 2% and 1.2043 + 2%; the value of the voltage (Vso si) between the first end (SO) and the second end (S1) of the secondary winding (3) is in the range defined by the voltage (Vkvp) multiplied by the coefficient 0.1021 5% and 0.1021 + 5%; the value of the current (IPO PI) flowing through the principal portion (21) is in the range defined by the current (Ikas) flowing through the secondary winding multiplied by the coefficients 0.11335% and 0.1133+5%; the value of the current (IPi.p2) flowing in the second portion (22) is in the range defined by the current (Ikas) multiplied by the coefficients 0.0940 5% and 0.0940 + 5%; the value of the magnetic induction relating to the configuration defined by the first point (P0) and the third point (P2) of the primary winding (2) and of the secondary winding (3) is in the range defined by the coefficient of magnetic induction (Ckim) for the configuration defined by the principal portion (21) of the primary winding (2) and of the secondary winding (3) multiplied by the coefficients 0.9965 + 0.03% and 0.9965 + 0.03%.

No. of Pages : 21 No. of Claims : 11

(21) Application No.85/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :15/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD FOR ENABLING COEXISTENCE OF HALF DUPLEX AND DUPLEX COMMUNICATION IN A WIRELESS SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> </ul> </li> </ul>	:61/508879 :18/07/2011 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :ATTN: International IP Administration 5775 Morehouse Drive San Diego California 92121 1714 U.S.A. (72)Name of Inventor : 1)MONTOJO Juan 2)GAAL Peter 3)CHEN Wanshi 4)XU Hao 2)UO m</li></ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	5)LUO Tao

(57) Abstract :

Half duplex (HD) operations enable low cost implementations of LTE terminals. Traditionally HD operations may be linked to a particular frequency band which may not allow a mix of full duplex (FD) and HD terminals in the same frequency band. Therefore certain aspects of the present disclosure provide techniques for enabling coexistence in a given frequency band of HD and FD terminals by introducing frequency bands designated for HD operation and overlapping existing frequency bands designated for FD operation.

No. of Pages : 49 No. of Claims : 100

(21) Application No.60/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :14/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : SYSTEMS METHODS AND DEVICES FOR OZONE SANITIZATION OF CONTINUOUS POSITIVE AIRWAY PRESSURE DEVICES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A61L2/14,A61L2/20,A61M16/06 :61/508341 :15/07/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)INCEPTUS INC.</li> <li>Address of Applicant :670 Douglas Street Uxbridge MA</li> </ul>
(32) Name of priority country		01569 U.S.A.
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:PCT/US2012/046593 :13/07/2012	(72)Name of Inventor : 1)LEYVA Timothy
No	:WO 2013/012696	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention is generally related to a device and method for sanitizing a medical instrument with ozone in particular the invention relates to a system method and a device for sanitizing a continuous positive airway pressure (CPAP) device. The device has an ozone compartment an ozone operating system and one or more ozone distribution lines that distribute ozone to a continuous positive airway pressure device. The device may further include a heater adapter unit to connect heating systems in CPAP devices while distributing ozone to sanitize the CPAP device in accordance with the present invention.

No. of Pages : 33 No. of Claims : 20

(21) Application No.71/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :15/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHODS AND COMPOSITIONS FOR DIAGNOSIS AND PROGNOSIS OF RENAL INJURY AND RENAL FAILURE

<ul> <li>(51) International classification</li> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(33) Name of priority country</li> <li>(34) Name of priority country</li> <li>(35) Name of priority country</li> <li>(36) International Application No</li> <li>(37) International Publication No</li> <li>(37) International Publication No</li> <li>(37) PCT/US2012/0</li> <li>(38) International Publication No</li> <li>(39) (31) Priority Country</li> <li>(31) Name of priority country</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(34) Priority Date</li> <li>(35) PCT/US2012/0</li> <li>(36) International Publication No</li> <li>(37) PCT/US2012/0</li> <li>(37) PCT/US2012/0</li> <li>(38) PCT/US2012/0</li> <li>(37) PCT/US2012/0</li> <li>(38) PCT/US2012/0</li> <li>(37) PCT/US2012/0</li> <li>(38) PCT/US2012/0</li> <li>(38) PCT/US2012/0</li> <li>(37) PCT/US2012/0</li> <li>(37) PCT/US2012/0</li> <li>(38) PCT/US2012/0</li> <li>(38) PCT/US2012/0</li> <li>(37) PCT/US2012/0</li> <li>(38) PCT/US2012/0</li> <li>(38) PCT/US2012/0</li> <li>(39) PCT/US2012/0</li> <li>(30) PCT/US2012/0</li> <li>(31) PCT/US2012/0</li> <li>(32) PCT/US2012/0</li> <li>(32) PCT/US2012/0</li> <li>(33) PCT/US2012/0</li> <li>(34) PCT/US2012/0</li> <li>(35) PCT/US2012/0</li> <li>(36) PCT/US2012/0</li> <li>(37) PCT/US2012/0</li> <li>(38) PCT/US2012/0</li> <li>(38) PCT/US2012/0</li> <li>(38) PCT/US2012/0</li> <li>(39) PCT/US2012/0</li> <li>(39) PCT/US2012/0</li> <li>(39) PCT/US2012/0<th>2)GRAY Jeff</th></li></ul>	2)GRAY Jeff
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(57) Abstract :

The present invention relates to methods and compositions for monitoring diagnosis prognosis and determination of treatment regimens in subjects suffering from or suspected of having a renal injury. In particular the invention relates to using a one or more assays configured to detect a kidney injury marker selected from the group consisting of Heat shock protein beta 1 WAP four disulfide core domain protein 2 Choriogonadotropin subunit beta Placenta growth factor and Mitochondrial 60 kDa heat shock protein as diagnostic and prognostic biomarkers in renal injuries.

No. of Pages : 116 No. of Claims : 127

(21) Application No.92/MUMNP/2014 A

### (19) INDIA

(22) Date of filing of Application :16/01/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR PREPARING BATTERY COMPOSITE MATERIAL AND PRECURSOR THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:H01M4/04,H01M4/58 :61/509636 :20/07/2011 :U.S.A. :PCT/CN2012/078973 :20/07/2012 :WO 2013/010505 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ADVANCED LITHIUM ELECTROCHEMISTRY CO.</li> <li>LTD.</li> <li>Address of Applicant :No. 2 1 Singhua Rd. Taoyuan City</li> <li>Taoyuan County Taiwan 330 R.O.C. China</li> <li>(72)Name of Inventor :</li> <li>1)YU Peijung</li> <li>2)HSIEH Hanwei</li> </ul>
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#### (57) Abstract :

The present invention relates to a method for preparing a battery composite material at least comprising: a step of providing phosphoric acid iron powder a carbon source and a first reactant wherein the chemical formula of phosphoric acid is HPO the chemical formula of the iron powder is Fe; a step of reacting phosphoric acid and the iron powder to generate a first product; a step of calcinating the first product to generate a precursor wherein the chemical formula of the precursor is Fe(PO); and a step of reacting the precursor and the first reactant and calcinating the reaction mixture to generate a battery composite material. In the present invention the preparation is performed without using a base compound and the grinding time in the manufacturing process is reduced thereby reducing the cost in time and money. At the same time the efficacy of reducing the difficulty of the manufacturing process and operation of the production line is achieved.

No. of Pages : 27 No. of Claims : 18

(21) Application No.66/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :14/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : 5 6 7 8-TETRAHYDRO-6-[N N-BIS[(2-THIENYL)ETHYL]]AMINO-1- NAPHTHOL AND PREPARING METHOD AND USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:201110235541.9 :17/08/2011 :China :PCT/CN2012/001038 :06/08/2012 :WO 2013/023433 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SHANDONG LUYE PHARMACEUTICAL CO. LTD Address of Applicant :No. 9 Baoyuan Road Laishan District Yantai Shandong 264003 China</li> <li>(72)Name of Inventor :</li> <li>1)YANG Mina</li> <li>2)ZHAO Yanyan</li> <li>3)ZHOU Fengmei</li> <li>4)MENG Qingguo</li> <li>5)WANG Tao</li> </ul>
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(57) Abstract :

The present disclosure relates to 5 6 7 8 tetrahydro 6 [N N bis[(2 thienyl)ethyl]]amino 1 naphthol a method for preparing the same and use of 5 6 7 8 tetrahydro 6 [N N bis[(2 thienyl)ethyl]]amino 1 naphthol as a reference compound for determining an impurity in rotigotine or a preparation thereof.

No. of Pages : 17 No. of Claims : 8

(21) Application No.87/MUMNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :16/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD FOR SEPARATING BLOOD SEPARATION CONTAINER FOR A BLOOD CENTRIFUGE SYSTEM FOR FILLING A FREEZER CONTAINER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:A61M1/02 :10 2011 105 311.9 :19/06/2011 :Germany :PCT/DE2012/000628 :19/06/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)POBITSCHKA Walter Address of Applicant :Lechfeldtstrasse 7 61350 Bad Homburg Germany.</li> <li>(72)Name of Inventor :</li> <li>1)POBITSCHKA Walter</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:WO 2012/175069 :NA :NA :NA :NA	

#### (57) Abstract :

The invention relates to a method for separating blood to a separation container and to a system wherein different blood fractions erythrocytes (64) buffy coat (65) and blood plasma (66) are obtained wherein blood is introduced into a separation container (1) and is then centrifuged into different superimposed fluidically connected sections of the separation container specifically a top section (4) for receiving the blood plasma (66) a middle section (3) for receiving the buffy coat and a bottom section (2) for receiving the erythrocytes (64). The aim of the invention is to optimize the extraction of buffy coat. Said aim is achieved by means of the method and the separation container wherein the optimization is geared to obtaining a defined phase boundary and by means of the system wherein the optimization is geared to achieving freedom from contamination from the time the blood enters the separation container and obtaining an easy to handle freezer container for cryopreservation. By means of the haematocrit of the blood supplied the future packing volume of the erythrocytes (64) to be centrifuged is determined. Furthermore the capacity of the bottom section (2) is adjusted to the expected packing volume of the erythrocytes (64) and erythrocytes (64) is positioned in a region of the middle section (3) of the separating container (1) adjacent to the bottom section (2) and finally the amount of blood supplied is introduced in the exact volume into the separation container (1) taking into account the expected packing volume of the erythrocytes (64). The separation container (1) enables the method to be carried out. The system is kept closed and avoids interaction with the environment.

No. of Pages : 57 No. of Claims : 35

(21) Application No.98/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :16/01/2014

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : MATURATION APPARATUS AND METHODS

<ul> <li>(35) Name of priority county 1000.</li> <li>(86) International Application No</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number NA</li> <li>(62) Divisional to Application Number NA</li> <li>(62) Divisional to Application Number NA</li> <li>(63) Divisional to Application Number NA</li> <li>(64) Patent of Addition to Since Since</li></ul>	No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	<sup>1</sup> :PCT/GB2012/051621 :10/07/2012 :WO 2013/008003 :NA :NA	<ul> <li>1)M SQUARED LASERS LIMITED Address of Applicant :Venture Building 1 Kelvin Campus</li> <li>West of Scotland Science Park Maryhill Road Glasgow</li> <li>Strathclyde G20 0SP U.K.</li> <li>(72)Name of Inventor : <ol> <li>MALCOLM Graeme Peter Alexander</li> <li>MAKER Gareth Thomas</li> </ol> </li> </ul>
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(57) Abstract :

The invention provides an apparatus and a method that reduces fluid loss from a cask during a maturation process by sealably enclosing the cask in a vessel that provides an expansion volume to receive fluid vapour from the cask a monitoring system and a method that monitors fluid loss from a cask during a maturation process using a light source and a detector to determine the presence of fluid vapour in the vicinity of the cask a corresponding system for controlling a maturation process in which environmental conditions are controlled and a cask leak testing system and method making use of the above.

No. of Pages : 19 No. of Claims : 44

(21) Application No.63/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :14/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : AMINO ACID SALT CONTAINING COMPOSITIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07C231/02,C07C233/18,C07C233/20 :13/192490 :28/07/2011 :U.S.A. :PCT/EP2012/064769 :27/07/2012 :WO 2013/014265 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)UNILEVER PLC Address of Applicant :Unilever House 100 Victoria Embankment London EC4Y 0DY U.K.</li> <li>(72)Name of Inventor :</li> <li>1)HARICHIAN Bijan</li> <li>2)AU Van</li> </ul>

(57) Abstract :

A reagent composition for forming fatty acyl amido surfactants is provided which includes an alkali metal or alkaline earth metal salt of an amino compound; a polyol of molecular weight ranging from 76 to 300; and no more than 10% water.

No. of Pages : 29 No. of Claims : 7

(21) Application No.96/MUMNP/2014 A

### (19) INDIA

(22) Date of filing of Application :16/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : INFORMATION PROCESSING APPARATUS INFORMATION PROCESSING METHOD AND PROGRAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)SONY CORPORATION Address of Applicant :1 7 1 Konan Minato ku Tokyo 1080075 Japan</li> <li>(72)Name of Inventor :</li> </ul>
Filing Date	:11/07/2012	1)OONUMA Kensuke
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2013/011896	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A technology according to the present invention is related to an information processing apparatus an information processing method and a program whereby references cited in an electronic document can be accessed just by clicking on the cited reference. The information processing apparatus is provided with: a storage unit that stores information of electronic documents; an extraction unit that extracts a sentence containing the information stored in the storage unit from within a prescribed electronic document; and a generating unit that generates a link to the information in the storage unit from the sentence extracted by the extraction unit. Even when the electronic document is an electronic document made by scanning if the degree of matching between a sentence contained in the electronic document and the information stored in the storage unit is high the sentence and the information are associated and a link is established between the two. This technology can be applied to terminals used for reading electronic books.

No. of Pages : 85 No. of Claims : 8

(21) Application No.99/MUMNP/2014 A

### (19) INDIA

(22) Date of filing of Application :16/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD AND APPARATUS FOR FEEDING TUBULAR BLANKS TO A PACKAGING MACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:B65B43/30 :BO2011A000486 :04/08/2011 :Italy :PCT/EP2012/065081 :01/08/2012 :WO 2013/017640 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)I.M.A. INDUSTRIA MACCHINE AUTOMATICHE</li> <li>S.P.A.</li> <li>Address of Applicant : Via Emilia 428/442 I 40064 Ozzano</li> <li>dell Emilia (BO) Italy</li> <li>(72)Name of Inventor :</li> <li>1)FERRETTI Maurizio</li> </ul>
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(57) Abstract :

The apparatus for feeding tubular blanks to a packaging machine comprises a collecting group (10) provided with first gripping means (11) suitable to grip single flat folded tubular blanks (2) at a first face and an opening group (20) provided with second gripping means (21) suitable to grip said blanks (2) at a second face. The collecting group (10) comprises a drive mechanism (12 15) provided with a first arm (12) tilting under control of motor members(5) and with a second arm (15) carrying said first gripping means (11) which is mounted tilting on said first arm (12) and which is axially slidable for imparting to said first gripping means (11) an alternated rototranslation motion. The opening group (20) comprises support means (22) of the second gripping means (21) pivoted on said second arm (15) of the collecting group (10) and constrained to pulling means (25) suitable to determine an alternated angular rotation of said second gripping means (21) for performing the gripping and erecting of said tubular blanks (2).

No. of Pages : 16 No. of Claims : 10

(21) Application No.74/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :15/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : MULTI SCENE DEPTH PHOTO SENSITIVE DEVICE SYSTEM THEREOF SCENE DEPTH EXPANDING METHOD AND OPTICAL IMAGING SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(33) Name of priority country</li> <li>(34) International Application No</li> <li>Filing Date</li> <li>(37) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>KA</li> </ul>	<ul> <li>(71)Name of Applicant :         <ul> <li>1)BOLY MEDIA COMMUNICATIONS (SHENZHEN) CO.</li> <li>LTD</li> <li>Address of Applicant :Suite A B 2F 2nd Building Shanshui</li> <li>Building Nanshan Yungu Innovation Industrial Park No.1183</li> <li>Liuxian Blvd Taoyuan Street Nanshan District Shenzhen</li> <li>Guangdong 518055 China</li> <li>(72)Name of Inventor :             <li>1)HU Xiaoping</li> </li></ul> </li> </ul>
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### (57) Abstract :

A multi scene depth photo sensitive device system thereof scene depth expanding method and an optical imaging system are provide. The multi scene depth photo sensitive device comprises at least two photo sensitive pixel layers which can sense a light source and the at least two photo sensitive pixel layers are disposed at a predetermined distance so that the different optical signals from the lens disposed at a certain distance from the photo sensitive device can be focused on the different photo sensitive pixel layers. It is possible to realize focus automatically while avoiding utilizing electrodynamic element and mechanical element.

No. of Pages : 71 No. of Claims : 46

(21) Application No.91/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :16/01/2014

(43) Publication Date : 21/11/2014

### (54) Title of the invention : SEQUENCE BASED GENOTYPING BASED ON OLIGONUCLEOTIDE LIGATION ASSAYS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)KEYGENE N.V.</li> <li>Address of Applicant :P.O. Box 216 NL 6700 AE Wageningen</li> <li>THE NETHERLANDS.</li> <li>(72)Name of Inventor :</li> <li>1)VAN FLIVE Michael Learning Theorem.</li> </ul>
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:09/07/2012 :WO 2013/009175 :NA :NA	1)VAN EIJK Michael Josephus Theresia 2)HOGERS Ren Cornelis Josephus
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a method for the detection of a target nucleotide sequence in a sample based on an oligonucleotide ligation assay wherein probes are used that contain (a combination of) sequence based identifiers that can identify the sample and the target sequence (i.e. locus and/or allele combination) wherein after the ligation step the ligated probes or after amplification the amplified ligated probes are restricted using restriction enzymes to cut of part of the probes and continue with those parts (identifiers and target sequence) that contain the relevant information in the sequencing step.

No. of Pages : 61 No. of Claims : 25

(21) Application No.481/MUM/2013 A

#### (19) INDIA

(22) Date of filing of Application :19/02/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : A METHOD FOR RAPID ISOLATION AND PURIFICATION OF DNA

	:C12N15/10,	(71)Name of Applicant :
(51) International classification	C07H21/04,	1)AGHARKAR RESEARCH INSTITUTE OF
	C12N9/22,	MAHARASHTRA ASSOCIATION FOR CULTIVATION OF
(31) Priority Document No	:NA	SCIENCE
(32) Priority Date	:NA	Address of Applicant : G.G. AGARKAR ROAD, PUNE-411
(33) Name of priority country	:NA	004, MAHARASHTRA, INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)CHAUDHARI MILIND KEWALRAM
(87) International Publication No	: NA	2)RAJWADE JYUTIKA MILIND
(61) Patent of Addition to Application Number	:NA	3)PAKNIKAR KISHORE MADHUKAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The isolation of highly purified DNA is necessary for several applications in medicine and biotechnology, as well as for the development of new therapeutic applications based on nucleic acids. Current technologies involve laborious and time-consuming procedures that require large sample volumes. In such fast growing use of DNA based techniques, development of a rapid, low-cost method for DNA isolation and purification is needed. Moreover there is a need for a single DNA isolation methodology which can be used for variety of cell types. The present invention addresses these issues by using the cutting edge concepts of nanotechnology. A method for rapid/one step DNA isolation and purification is described. The method uses polymer-functionalized magnetic nanoparticles, specifically manganites e.g. Lanthanum strontium manganese oxide nanoparticles which help in cell lysis and thereby DNA adsorption on its surface. The DNA adsorbed can be recovered using elution buffer in a pure form. This DNA can be used in plethora of applications such as PCR amplification, electrophoresis, southern blotting etc. The DNA isolation and purification can be achieved in 30 min and does not require any harsh chemical treatment. The method is simple to perform and can be utilized almost anywhere. The present invention involves synthesis of Polyethylenimine (PEI)-functionalized- magnetic nanoparticles conjugates, the magnetic nanomaterials including manganites (especially LSMO), either monodisperse or polydisperse. The nanoparticles attach to the bacterial surface due to cationic fictionalization. Upon mechanical shaking the nanoparticle causes physical damage to the bacteria, which results in cell lysis. The DNA .released has affinity towards the polymer on nanoparticle which results in attachment of DNA to the nanoparticles. The magnetic property of LSMO nanoparticles allows easy separation using a magnet. The DNA can be released using elution buffer of varying pH. The method can be used for DNA isolation of a variety of cells types which includes bacteria (standard strains, clinical isolates, extremophiles, halophiles and archea), animal cells (tissue and cell lines), yeasts and viruses. The method offers ease of use and method can be performed under resource limited settings without the involvement of skilled personnel. The method can be scaled-up as a high-throughput system to process large number of samples. The invention may not be restricted to rapid/one step; it can be coupled up with other techniques such as Micro-fluidics to develop automated technology platform. REFERENCES Baldy Chudzik, K., 2001, RepPCR - A variant to RAPD or an independent technique of bacteria genotyping A comparison of the typing properties of repPCR with other recognized methods of genotyping of microorganisms, Acta Microbiol. Pol., 50(3-4): 189-204. Lin, J.J., Kuo, J., Ma, J., 1996, A PCR based DNA fingerprinting technique: AFLP for molecular typing of bacteria, Nucleic Acids Res., 24(18): 3649-3650. Rossetti, L., Giraffa, G., 2005, Rapid identification of dairy lactic acid bacteria by MI 3 generated, RAPD PCR fingerprint databases, J. Microbiol. Methods, 63(2): 135-144. Waleron, M., Waleron, K., Podhajska, A.J., Lojkowska, E., 2002, Genotyping of bacteria belonging to the former Erwinia genus by PCR RFLP analysis of a recA gene treatment, Microbiology, 148(2): 583-595. Yang, J.L., Cheng, A.C., Wang, M.S., Pan, K.C., Luo, Q.H., Zhu, D.K., Chen, X.Y., Qi, X.F., 2009, New strategies for electrophoresis analysis of enterobacterial repetitive intergenic consensus PCR in animal intestinal microflora, J. Microbiol. Methods, 77(1):63-66. Harrison, S. T. L., 1991, Bacterial cell disruption: a key unit operation in the recovery of intracellular products, Biotech Adv., 9:217-240 Coakley W. T., Bater, A. J. and Lloyd D., 1977, Disruption of microorganisms, Adv. Microb. Physiol, 16:279-341 Foster D., 1995, Optimizing recombinant product recovery through improvements in cell-disruption technology, Curr. Opin. Biotechnol., 6: 523-526 Rantakokko-Jalava, K. and Jalava J., 2002, Optimal DNA Isolation Method for Detection of Bacteria in Clinical Specimens by Broad-Range PCR, Journal of Clinical Microbiology, 40(11): 42111217 Vitzthum, F. Gelger, G., Bisswanger H., Elkine B., Brunner R, Bernhagen J., 2000, Amplifiable DNA from Gram-negative and Gram-positive bacteria by low strength pulsed electric field method, Nucleic Acids Research, 28(8):e37 Sambrook and Russell, 2001, Molecular Cloning, Cold Spring Harbor Laboratory Press. Hendolin, P. H., L. Paulin, and J. Ylikoski., 2000, Clinically applicable multiplex PCR for four middle ear pathogens. J. Clin. Microbiol. 38:125-132

No. of Pages : 29 No. of Claims : 4

The Patent Office Journal 21/11/2014

#### (21) Application No.75/MUMNP/2014 A

# (19) INDIA

(22) Date of filing of Application :15/01/2014

(43) Publication Date : 21/11/2014

(54) Title of the invention : GAS/GAS HE	EAT EXCHANGER	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:F28D7/16 :10 2011 109 970.4 :11/08/2011 :Germany :PCT/EP2012/064914 :31/07/2012 :WO 2013/020854 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ul> <li>1)Outotec Oyj</li> <li>Address of Applicant :Puolikkotie 10 FI 02230 Espoo</li> </ul> </li> <li>Finland <ul> <li>(72)Name of Inventor : <ul> <li>1)DAUM Karl Heinz</li> <li>2)STORCH Hannes</li> <li>3)SCHALK Wolfram</li> </ul> </li> </ul></li></ul>

(57) Abstract :

A heat exchanger in particular for use in the contact group of a sulfuric acid plant includes a chamber (2) in which a tube bundle (12) is arranged on a circular ring wherein between the tube bundle (12) and a chamber casing (13) surrounding the tube bundle (12) a gas space (15) is formed a gas supply opening (6) provided in the chamber casing (13) for introducing a gas into the gas space (15) substantially radially relative to the tube bundle (12) and a gas outlet opening which adjoins an interior space (16) enclosed by the tube bundle (12) in substantially axial direction. A uniform approach flow of the tube bundle (12) is achieved in that the center (Z) of the tube bundle (12) is offset with respect to the center (Z) of the chamber casing (13) in a direction opposite to the gas supply opening (6).

No. of Pages : 12 No. of Claims : 9

(21) Application No.10790/CHENP/2012 A

# (19) INDIA

(22) Date of filing of Application :26/12/2012

(43) Publication Date : 21/11/2014

# (54) Title of the invention : CYSTEINE DERIVATIVE

(57) Abstract :

Disclosed are: a cysteine derivative which has a black melanin production inhibitory effect in addition to excellent stability and low odor; and a cosmetic preparation which contain the cysteine derivative. Specifically disclosed are: a cysteine derivative which is represented by general formula (I) or a salt thereof; and a cosmetic preparation which contains the cysteine derivative. (In general formula (I), the symbols are as defined in the description.)

No. of Pages : 84 No. of Claims : 13

(21) Application No.108/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :04/01/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : POLYSACCHARIDE DERIVATIVE MANUFACTURING METHOD FOR SAME AND SEPARATING AGENT USING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to</li> <li>Application Number</li> </ul>	:NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)Daicel Corporation Address of Applicant :4 5 Umeda 3 chome Kita ku Osaka shi Osaka 5300001 Japan</li> <li>(72)Name of Inventor :</li> <li>1)OKAMOTO Yoshio</li> <li>2)LI Junqing</li> <li>3)SHEN Xiande</li> <li>4)SHEN Jun</li> <li>5)QU Haitao</li> <li>6)WU Guangshun</li> </ul>
Application Number Filing Date	:NA :NA	

(57) Abstract :

Disclosed is a novel polysaccharide derivative which can be used in a separating agent for optical isomers. The disclosed novel polysaccharide derivative contains a structure wherein the hydrogen atom of the second hydroxyl group or amino group comprised in a structural unit of a polysaccharide has been substituted by a monovalent group represented by general formula (1) and the hydrogen atom of the third hydroxyl group or amino group comprised in the structural unit has been substituted by a monovalent group represented by general formula (2). (1) R NH CO (2) R NH CO (In formula (1) and formula (2) R and R represent different substituted or unsubstituted aryl groups).

No. of Pages : 52 No. of Claims : 5

# (19) INDIA

#### (22) Date of filing of Application :26/03/2013

## (21) Application No.1302/CHE/2013 A

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : IMPLEMENTATION OF TCAS INTERFACE AND COORDINATION LOGIC IN IFF MODE S TRANSPONDER

:G01S	(71)Name of Applicant :
:NA	1)SLRDC, HAL
:NA	Address of Applicant : AGM(D), SLRDC, HINDUSTAN
:NA	AERONAUTICS LIMITED, AVIONICS DIVISION,
:NA	BALANAGAR, HYDERABAD - 500 042 Andhra Pradesh India
:NA	(72)Name of Inventor :
: NA	1)PHANI RAMA KRISHNA
:NA	2)BALAJI RAMAN KATTA
:NA	3)BALA RANGA RAO
:NA	4)NAVEEN
:NA	5)MOUNIKA
	:NA :NA :NA :NA :NA :NA :NA :NA

## (57) Abstract :

Mode S Transponder is a critical subsystem of TCAS which plays an important role in Collision Avoidance System and facilitates airair exchange of Coordination Data between TCAS equipped Aircraft during coordination which enables complimentary sense selection on either side. TCAS-TCAS coordination is carried out through Mode S Transponder to ensure complimentary sense selection on either side. The Intruders intended sense received by the IFF Mode S Transponder has to be conveyed to on-board TCAS without delay on high speed ARINC 429 bus. During coordination TCAS interrogates every 1 second, Transponder should convey the coordination data consistently without any delay and errors. Otherwise it may result in either delayed or improper TA/RA annunciations reducing the safety margins of collision avoidance.

No. of Pages : 10 No. of Claims : 2

(21) Application No.1303/CHE/2013 A

#### (19) INDIA

(22) Date of filing of Application :26/03/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : EJECTOR FOR 6U CARD OF AVIONICS EQUIPMENT FOR AIRBORNE APPLICATIONS (51) International classification :H05K (71)Name of Applicant : (31) Priority Document No :NA 1)SLRDC, HAL (32) Priority Date :NA Address of Applicant :AGM(D), SLRDC, AVIONICS DIVISION, HINDUSTAN AERONAUTICS LIMITED, (33) Name of priority country :NA (86) International Application No :NA HYDERABAD - 500 042 Andhra Pradesh India Filing Date :NA (72)Name of Inventor : (87) International Publication No : NA 1)SEELAM VENKATA RAMAKRISHNA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract :

A Typical Avionics equipment for Airborne applications (Standard ATR size) consists of various daughter boards (6U card size : 233.4x160, Weight: 600gm) which are interconnected with a motherboard. The daughter boards slide through the guides provided in the chassis to ensure fool proof mating of the airborne connector with the mating connectors in the motherboard. The assembly and removal of the cards is very frequent during the Assembly, testing, software upgradation, maintenance and repair of these equipments. It is very difficult to remove the cards from the unit as the unit is fully packed with different components with various functional requirements. It becomes difficult to access the cards with hands. Hence, a proper ejection mechanism is to be established in such a way that uniform force needs to be applied on both sides of the card for removing it from the motherboard without damaging the connector or connector pins. In view of this an ejector is designed with dimensions (31x12x8mm) which is pivoted to the card on both the sides to remove the card from the unit with two fingers.

No. of Pages : 10 No. of Claims : 2

(21) Application No.10834/CHENP/2012 A

#### (19) INDIA

(22) Date of filing of Application :27/12/2012

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DEVICE FOR SETTING A CARDING GAP IN A REVOLVING FLAT CARD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:D01G15/28 :877/10 :02/06/2010 :Switzerland :PCT/CH2011/000116 :20/05/2011 :WO 2011/150527 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)MASCHINENFABRIK RIETER AG Address of Applicant :Klosterstrasse 20 CH 8406 Winterthur Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)MEDVETCHI Emil</li> </ul>
Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a device for setting a carding gap in a revolving flat card comprising a machine frame and a drum having a drum axis wherein the drum is provided with a drum clothing and comprising a revolving flat arrangement which is formed by a plurality of revolving flats which are connected to each other and provided with flat clothings. The revolving flats are guided along the circumference of the drum at the ends of the revolving flats on sliding surfaces of flexible bows arranged on both sides of the revolving flat card. The carding gap can be changed by changing the radial position of the flexible bow or parts thereof with respect to the drum axis. The flexible bow is retained at at least three support points of the machine frame by means of support elements and a sliding element is provided between the flexible bow and the support elements in such a way that the radial position of the flexible bow and thus the carding gap can be simultaneously adjusted at all support points by moving the sliding element.

No. of Pages : 18 No. of Claims : 8

(19) INDIA

(22) Date of filing of Application :14/03/2013

(21) Application No.1084/CHE/2013 A

(43) Publication Date : 21/11/2014

(54) Title of the invention : FUEL SUPPLY STRUCTURE OF SADDLE-RIDE TYPE VEHICLE		
(51) International classification	:F16L	(71)Name of Applicant :
(31) Priority Document No	:2012- 064078	1)HONDA MOTOR CO., LTD. Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME,
(32) Priority Date	:21/03/2012	MINATO-KU, TOKYO, 107-8556 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)HIGASHIYAMA, JUNJI
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

To provide fuel supply structure of a saddle-ride type vehicle which can contribute to such that wrong operation of a hose locking member is more securely prevented in maintenance of the vehicle and maintainability can be also enhanced without increasing the number of parts. [Solution] Fuel supplied from a fuel tank to a throttle body 8 is supplied via fuel supply parts 11, 14 through a flexible fuel hose 16 and a cover member 20 that covers the fuel supply parts 11, 14 is provided. The cover member 20 is provided with a cover 24 that covers a fuel hose locking member 30 for locking the connection of the fuel hose 16 and each fuel supply part and the cover 24 covers the fuel hose locking member 30 to disenable removing the fuel hose locking member 30.

No. of Pages : 37 No. of Claims : 5

(21) Application No.1215/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :14/02/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : IMAGE DISPLAY SYSTEM IMAGE PROCESSING APPARATUS AND CONTROL METHOD THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul> </li> </ul>	:PCT/JP2011/064852 :22/06/2011 :WO 2012/011369 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CANON KABUSHIKI KAISHA Address of Applicant :30 2 Shimomaruko 3 chome Ohta ku Tokyo 1468501 Japan</li> <li>(72)Name of Inventor :</li> <li>1)KITAJIMA Kotaro</li> </ul>
Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An image display system including a first image display apparatus a second image display apparatus and an image processing apparatus is provided. When the first image display apparatus and the second image display apparatus each display a partial image of an image to be displayed the first image display apparatus and the second image display apparatus each display the partial image based on a feature of the entirety of the image to be displayed.

No. of Pages : 56 No. of Claims : 19

(21) Application No.1309/CHE/2013 A

# (19) INDIA

(22) Date of filing of Application :26/03/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : THERMOSTAT BASED TEMPERATURE CONTROLLER FOR OVEN CONTROLLED OSCILLATOR OF ARK-10 RADIO COMPASS FOR MIG-21 AIRCRAFT

(51) International classification	·C05D	(71)Nome of Applicant.
		(71)Name of Applicant :
(31) Priority Document No	:NA	1)SLRDC, HAL
(32) Priority Date	:NA	Address of Applicant : AGM(D), SLRDC, HINDUSTAN
(33) Name of priority country	:NA	AERONAUTICS LIMITED, AVIONICS DIVISION,
(86) International Application No	:NA	BALANAGAR, HYDERABAD - 500 042 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)KOTI VENKATA RAMANA RAO
(61) Patent of Addition to Application Number	:NA	2)PAVAN KUMAR PATIL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

The temperature inside the thermostat with first Local oscillator housing is maintained at  $50\pm2^{\circ}$ C irrespective of variations in outside temperature. The thermostat based temperature controller for oven controlled oscillator of the ARK-10 Radio Compass maintains constant temperature and in turn maintains frequency stability within + 40Hz. Also the maximum and minimum settable frequencies of the Local oscillator are also adjusted without any difficulty. The older version thermostat used to be manufactured under license from OEM, which requires trimming and tuning of temperatures and was prone to chattering of contacts etc, whereas the new proposed thermostat requires no trimming and tuning of temperatures as the temperatures are factory set. This reduces the testing time and therefore manufacture, maintenance, repair and overhaul costs. Refer Fig A and Fig B for mounting details.

No. of Pages : 8 No. of Claims : 5

(21) Application No.10200/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :23/12/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : WATER ABSORBING ELASTOMERIC MATERIAL

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> </ul>	:C08G77/392,C08J3/02,C08J9/02 :61/502926 :30/06/2011 :U.S.A. :PCT/IB2012/053291 :28/06/2012 :WO 2013/001487 :NA	<ul> <li>1)KONINKLIJKE PHILIPS N.V. Address of Applicant :High Tech Campus 5 NL 5656 AE</li> <li>Eindhoven Netherlands</li> <li>(72)Name of Inventor : <ol> <li>BURDINSKI Dirk</li> <li>VAN ZANTEN Joyce</li> <li>BECKERS Lucas Johannes Anna Maria</li> <li>HENDRIKS Cornelis Petrus</li> <li>PASVEER Willem Franke</li> </ol> </li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	5)PASVEER Willem Franke 6)WILLARD Nicolaas Petrus 7)KLEE Mareike
(62) Divisional to Application Number Filing Date	:NA :NA	8)SREEDHARAN NAIR Biju Kumar 9)SMITH David W.

#### (57) Abstract :

This invention relates to a rubbery or elastomeric polymer material taking up more than 5% by weight of water and at most 500 % by weight of water after immersion in demineralized water at room temperature for a sufficient time to reach saturation comprising: (a) repeating units from one or more hydrophobic organic monomers and (b) repeating units from one or more monomers (a) being modified with one or more hydrophilic side groups. The rubbery or elastomeric polymer material may be in the form of a sheet a foam a coating adapted for adhesion to a substrate or a fiber. This invention also relates to processes polymerizable compositions and foaming compositions for producing such rubbery or elastomeric polymer materials.

No. of Pages : 38 No. of Claims : 26

#### (21) Application No.1216/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :14/02/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : COVER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:H01M2/10,A45C13/00,E05D1/00 :2010162650 :20/07/2010 :Japan :PCT/JP2011/004093 :20/07/2011 :WO 2012/011275	<ul> <li>(71)Name of Applicant :</li> <li>1)YAZAKI CORPORATION Address of Applicant :4 28 Mita 1 chome Minato ku Tokyo 1080073 Japan </li> <li>(72)Name of Inventor : 1)FUKUNAGA Miyuki </li> </ul>
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

#### (57) Abstract :

A battery cover includes a first cover portion a second cover portion and a coupling portion that is arranged in a position lower than upper surfaces of the first cover portion and the second cover portion between the first cover portion and the second cover portion. The coupling portion includes a connection portion that is fixed to the second cover portion and a hinge portion that is thinner than the connection portion. The hinge portion is provided such that hinge end portions on both sides are thicker than a hinge center portion. Each of the hinge end portions is formed such that a side end surface thereof is a curved surface which is gently inclined from the side of the first cover portion to the side of the second cover portion and that an upper surface thereof is formed into a substantially arc shaped curved surface which is thinnest in its center and inclined upward to gradually become thicker from the center toward both support ends.

No. of Pages : 26 No. of Claims : 3

(21) Application No.1217/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :14/02/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD AND APPARATUS FOR ATTACHING SOFT TISSUE TO BONE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> <li>(87) International</li> </ul> </li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> </ul> </li> </ul>	:17/08/2010 :U.S.A. :PCT/US2011/048149 :17/08/2011 :WO 2012/024446 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)REDYNS MEDICAL LLC Address of Applicant :11693 San Vicente Boulevard #401 Los Angeles CA 90049 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)SNYDER Nathan B.</li> <li>2)ROHLINGER George J.</li> </ul>
Filing Date	:NA	

(57) Abstract :

A repair system comprising at least one anchor screw or plate comprising a body and a suture capture element formed in the body for attaching at least one suture to the anchor screw or plate. The suture capture element being configured so as to permit the suture to be snared by the suture capture element after the anchor screw or plate has been attached to bone.

No. of Pages : 83 No. of Claims : 51

#### (19) INDIA

(22) Date of filing of Application :26/03/2013

(21) Application No.1310/CHE/2013 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : AIRBORNE FAST HOPPING HIGH PERFORMANCE RF FREQUENCY SYNTHESIZER

(51) International classification	:H03L	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SLRDC, HAL
(32) Priority Date	:NA	Address of Applicant : AGM(D), SLRDC, HINDUSTAN
(33) Name of priority country	:NA	AERONAUTICS LIMITED, AVIONICS DIVISION,
(86) International Application No	:NA	BALANAGAR, HYDERABAD - 500 042 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)MANDAPAKA VENKATESWARA SRI NAGESH
(61) Patent of Addition to Application Number	:NA	2)POTLURI PADMAJA
Filing Date	:NA	3)KAMLEKAR SRIKANTH
(62) Divisional to Application Number	:NA	4)KALMALA ARUN KUMAR
Filing Date	:NA	

(57) Abstract :

The Airborne fast hopping High performance frequency synthesizer is a low noise, wide band, fast settling frequency synthesizer based on Fractional-N Phase-Locked-Loop (PLL) technology. It comprises of Integrated PLL & VCO IC, Programmable Logic device, and Voltage regulator. Voltage regulator provides the regulated voltages to Synthesizer. To generate required frequency, the synthesizer is programmed through Serial Port. Programmable Logic Device (PLD) generates these serial controls required for the synthesizer. Based on the selections made (frequency information) through the graphical user interface (GUI) the data is sent over USB to the CPLD. Along with frequency information GUI provides commands like Initialization and mode of operation (CW / Frequency Hopping). If FH mode is selected in GUI, PLD automatically start sending the hopping data to synthesizer using internally generated pseudo random code at every 1mS for 1000 Hops operation.

No. of Pages : 10 No. of Claims : 2

(21) Application No.1103/CHE/2013 A

# (19) INDIA

(22) Date of filing of Application :14/03/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : PROCESS FOR THE PREPARATION OF OXAZOLIDINONE DERIVATIVES (51) International classification :C07D (71)Name of Applicant : 1)KALLEDA SRINIVASA RAO (31) Priority Document No :NA Address of Applicant :H.NO. 10 B, MEDICAL SOCIETY (32) Priority Date :NA KUKATPALLY, HYDERABAD - 500 072 Andhra Pradesh India (33) Name of priority country :NA (72)Name of Inventor : (86) International Application No :NA 1)KALLEDA SRINIVASA RAO Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The present invention relates to an improved process for the preparation of Oxazolidinone derivatives. More specifically, the present invention relates to an improved process for preparing (S)-N-[[3-[3-fluoro-4-[4-morpholinyl]phenyl]-2-oxo-5-oxazolidinyl]methyl] phthalimide, an intermediate used in the preparation of Oxazolidinone derivatives.

No. of Pages : 22 No. of Claims : 10

(21) Application No.1332/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :19/02/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD AND SYSTEM FOR LIMITING RISK IN BANKING TRANSACTIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:G06Q40/00 :NA :NA :NA :PCT/IN2010/000570 :30/08/2010 :WO 2012/029066 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)INFOSYS LIMITED <ul> <li>Address of Applicant :Plot No. 44 Electronics City Hosur</li> </ul> </li> <li>Road Bangalore 560 100 Karnataka India <ul> <li>(72)Name of Inventor :</li> <li>1)MAIYA Rajashekara Visweswara</li> <li>2) MANJUNATH DINDUKURTHI VISWANATH</li> <li>3)SACHINDRAN KUNJUMPIDUKKAL</li> </ul> </li> </ul>
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#### (57) Abstract :

A system and method for processing banking transactions in risk limit mode when connectivity to a central application server is unavailable. The method includes calculating available balance in customer account associated with current transaction and determining if current transaction amount is less than the available balance. In case the current transaction amount is less than the available balance. In customer accounts executed in risk limit mode is calculated. Thereafter if it is determined that the total calculated transaction amount is less than a pre defined risk limit value for a customer the current transaction is allowed. Otherwise the current transaction is rejected.

No. of Pages : 37 No. of Claims : 17

(21) Application No.1665/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :28/02/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : NONLINEAR RHEOLOGY OF CHEWING GUM AND GUM BASE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication N</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:61/371073 :05/08/2010 :U.S.A. :PCT/US2011/046819 :05/08/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)WM. WRIGLEY JR. COMPANY Address of Applicant :410 N. Michigan Ave. Chicago Illinois</li> <li>60611 U.S.A.</li> <li>2)REGENTS OF THE UNIVERSITY OF MINNESOTA</li> <li>(72)Name of Inventor :</li> <li>1)MARTINETTI Luca</li> <li>2)MACOSKO Christopher W.</li> <li>3)EWOLDT Randy H.</li> <li>4)MORGRET Leslie D.</li> </ul>
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(57) Abstract :

A method of selecting a commercially viable chewing gum including testing a chewing gum using nonlinear rheology compiling rheological data from the nonlinear rheology and then comparing the rheological data obtained to rheological data ranges of commercially acceptable chewing gum. The nonlinear rheology can include large amplitude oscillatory shear test start up of steady uniaxial extension test and uniaxial compression test (lubricated or unlubricated) and relaxation.

No. of Pages : 26 No. of Claims : 32

(19) INDIA

(22) Date of filing of Application :28/02/2013

(21) Application No.1666/CHENP/2013 A

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHODS AND SYSTEMS FOR ASSESSING PSYCHOLOGICAL CHARACTERISTICS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:A61B :12/872531 :31/08/2010 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)FORBES David L.</li> <li>Address of Applicant :38 Old Winter Street Lincoln MA</li> <li>01773 U.S.A.</li> </ul>
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>		(72)Name of Inventor : 1)FORBES David L.
Filing Date	:NA	

## (57) Abstract :

A method for assessing a pre cognitive emotional response from a test subject using responses obtained during the first moments of brain activity after presentation of a stimulus includes exposing the test subject to a visual stimulus for between approximately 500 milliseconds and approximately 1 second and receiving an input from the subject while the subject is exposed to the visual stimulus or within approximately 300 milliseconds after the subject is first exposed to the stimulus. The method further includes storing in response to receiving the input a user response that identifies one of a plurality of emotional reactions that is associated with the visual stimulus. Each of the exposing receiving and storing acts is repeated for a plurality of visual stimuli. The method further includes determining based on each of the stored user responses one or more dominant emotional characteristics of the subject.

No. of Pages : 54 No. of Claims : 19

(21) Application No.1667/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :28/02/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : IMPROVED INTERFERENCE ESTIMATION FOR WIRELESS COMMUNICATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:61/370400 :03/08/2010 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :5775 Morehouse Drive San Diego California 92121 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)YOO Taesang</li> <li>2)LUO Tao</li> <li>3)WEI Yongbin</li> <li>4)MALLIK Siddhartha</li> </ul>
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(57) Abstract :

Interference on pilot signals and on data tones can be mismatched. Different types of interference estimates perform differently based on how the mismatch occurs. The resulting interference estimate may thus be inaccurate. Interference estimates based on pilot signals and also on data tones can both be evaluated for reliability. The more reliable of the two can then be selected. If the data tones estimate is selected the estimate can be calculated from covariance matrices or from traffic to pilot ratios.

No. of Pages : 49 No. of Claims : 32

(21) Application No.1443/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :22/02/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : DELIVERY OF PARTICULATE MATERIAL BELOW GROUND

		(71)Name of Applicant :
		1)SCHLUMBERGER TECHNOLOGY B.V.
(51) International classification	:E21B43/26,E21B43/267	
(31) Priority Document No	:12/868201	Netherlands
(32) Priority Date	:25/08/2010	2)SCHLUMBERGER HOLDINGS LIMITED
(33) Name of priority country	:U.S.A.	3)SCHLUMBERGER CANADA LIMITED
(86) International Application No	:PCT/IB2011/001883	4)SERVICES PETROLIERS SCHLUMBERGER
Filing Date	:15/08/2011	5)PRAD RESEARCH AND DEVELOPMENT LIMITED
(87) International Publication No	:WO 2012/025805	6)SCHLUMBERGER SEACO INC.
(61) Patent of Addition to Application	:NA	(72)Name of Inventor :
Number		1)HUGHES Trevor
Filing Date	:NA	2)BARMATOV Evgeny
(62) Divisional to Application Number	:NA	3)GEDDES Jill
Filing Date	:NA	4)FULLER Michael
		5)DROCHON Bruno
		6)MAKARYCHEV MIKHAILOV Sergey

# (57) Abstract :

A wellbore fluid comprising an aqueous carrier liquid hydrophobic fibers suspended therein hydrophobic particulate material also suspended in the carrier liquid and a gas to wet the surfaces of the particles and fibers and bind them together as agglomerates. The wellbore fluid may be a slickwater fracturing fluid and may be used for fracturing a tight gas reservoir. Using a combination of hydrophobic particulate material hydrophobic fibers and gas inhibits settling out of the particulate material from an aqueous liquid. Because the gas acts to wet the surfaces of both materials and agglomerates them the particulate material is made to adhere to the fibers; the fibers form a network which hinders settling of the particulate material adhering to them and the agglomerates contain gas and so have a bulk density which is less than the specific gravity of the solids contained in the agglomerates.

No. of Pages : 34 No. of Claims : 15

# (19) INDIA

(22) Date of filing of Application :28/02/2013

#### (21) Application No.1652/CHENP/2013 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : PET FOOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:A23K1/16,A23K1/18 :2010194981 :31/08/2010 :Japan :PCT/JP2011/004814 :30/08/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)Uni Charm Corporation <ul> <li>Address of Applicant :182 Shimobun Kinsei cho Shikokuchuo</li> </ul> </li> <li>shi Ehime 7990111 Japan</li> <li>(72)Name of Inventor : <ul> <li>1)NAKASE Koichi</li> </ul> </li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:WO 2012/029285 :NA :NA	2)SAKAJI Kimihiko 3)UCHII Sayaka
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A pet food with superior preference qualities for a pet while including dietary fiber such as pulp. The pet food includes dietary fiber in which the pet food contains lignin in an amount of no less than 0.5% by mass and no greater than 2.2% by mass. The pet food preferably contains the dietary fiber in an amount of no less than 10% by mass and no greater than 20% by mass. A fiber source material for pet food preferably includes lignin in an amount of no less than 5% by mass and no greater than 25% by mass. The pet food is preferably used as a cat food.

No. of Pages : 14 No. of Claims : 11

(21) Application No.1654/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :28/02/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : FERROMAGNETIC AMORPHOUS ALLOY RIBBON WITH REDUCED SURFACE PROTRUSIONS METHOD OF CASTING AND APPLICATION THEREOF

(51) International classification	:H01F1/153	(71)Name of Applicant :
(31) Priority Document No	:12/923224	1)METGLAS INC.
(32) Priority Date	:09/09/2010	Address of Applicant :440 Allied Drive Conway SC 29526
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2011/049841	2)HITACHI METALS LTD.
Filing Date	:31/08/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2012/033682	1)THEISEN Eric A.
(61) Patent of Addition to Application	:NA	2)PEROZZI James
Number	:NA :NA	3)OGAWA Yuichi
Filing Date	.INA	4)MATSUMOTO Yuji
(62) Divisional to Application Number	:NA	5)AZUMA Daichi
Filing Date	:NA	6)HASEGAWA Ryusuke

(57) Abstract :

A ferromagnetic amorphous alloy ribbon having a composition represented by FeSibBcCd where 80.5 </= a </= 83 at.% 0.5 </= b </= f at.% 12 </= c </= 16.5 at.% 0.01 </= d </= 1 at. % with a + b + c + d = 100 and incidental impurities. The ribbon being cast from a molten state of the alloy with a surface tension of greater than or equal to 1.1 N/m on a chill body surface; the ribbon having ribbon surface protrusions facing the chill body surface; the protrusion height between 3 micrometers and four times the ribbon thickness the number of protrusions being less than 10 within 1.5 m of the cast ribbon length. The ribbon is suitable for transformer cores rotational machines electrical chokes magnetic sensors and pulse power devices.

No. of Pages : 33 No. of Claims : 42

#### (12) PATENT APPLICATION PUBLICATION (21) Application No.1655/CHENP/2013 A (19) INDIA (22) Date of filing of Application :28/02/2013 (43) Publication Date : 21/11/2014 (54) Title of the invention : CULTURE MEDIUM FOR EUKARYOTIC CELLS (51) International classification :C12N5/00,C07K4/10,C07K5/06 (71)Name of Applicant : (31) Priority Document No :10174715.2 1)FRIESLAND BRANDS B.V. (32) Priority Date :31/08/2010 Address of Applicant :Stationsplein 4 NL 3818 LE Amersfoort (33) Name of priority country :EPO Netherlands (86) International Application No:PCT/NL2011/050592 (72)Name of Inventor : Filing Date :31/08/2011 1)GUPTA Abhishek (87) International Publication No :WO 2012/030217 2)GADELLAA Mireille Maria

The invention pertains to the use of amino acid derivatives selected from N acetyl amino acids glutamyl amino acids pyroglutamyl amino acids glutamate containing or proline containing dipeptides oxo aminoacids homo aminoacids and glycyl glycine as a growth and production promoting ingredient in culture media for culturing eukaryotic cells. The invention further pertains to culture

3)MAES Dominick Yves Willy

No. of Pages : 23 No. of Claims : 18

(61) Patent of Addition to

(62) Divisional to Application

Application Number

Filing Date

Filing Date (57) Abstract :

Number

:NA

:NA

:NA

:NA

media containing these amino acid derivatives at levels of at least 0.001 mg/1.

(21) Application No.1900/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :08/03/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : PROCESSIN	G SAR IMAGERY	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:G01S13/90 :1015547.1 :17/09/2010 :U.K.	<ul> <li>(71)Name of Applicant :</li> <li>1)BAE SYSTEMS plc Address of Applicant :6 Carlton Gardens London SW1Y 5AD U.K.</li> <li>(72)Name of Inventor :</li> <li>1)WILLIS Christopher Jon</li> </ul>

(57) Abstract :

A method and apparatus (1) for processing SAR imagery data comprising: determining variance ratio data from the SAR imagery data; and processing for use in change detection the determined variance ratios data by making use of the F distribution. The method may further comprise selecting a desired false alarm rate; and wherein making use of the F distribution comprises determining a change detection threshold for the determined variance ratios data that is dependent upon the F distribution and the desired false alarm rate. Another possibility is that making use of the F distribution comprises using the F distribution to determine probabilities for the determined variance ratios data.

No. of Pages : 35 No. of Claims : 12

(21) Application No.10270/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : TESTING A COMMUNICATIONS APPARATUS

(51) International classification	n:H04B17/02,H04B17/00,H01P5/00	(71)Name of Applicant :
(31) Priority Document No	:11275102.9	1)ASTRIUM LIMITED
(32) Priority Date	:30/06/2011	Address of Applicant : Gunnels Wood Road Stevenage
(33) Name of priority country	:EPO	Hertfordshire SG1 2AS U.K.
(86) International Application No Filing Date	:PCT/EP2012/062199 :25/06/2012	(72)Name of Inventor : 1)MORRIS Ian
(87) International Publication No	:WO 2013/000852	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A test arrangement includes a multi port test interface having a first waveguide coupled to a plurality of second waveguides. The first waveguide is arranged to propagate an input signal and each of the second waveguides is arranged to output the input signal providing a plurality of test signals to be supplied to a communications apparatus. Such a test interface may also be used to output respective channel signals in a multiplexed signal received from a communications apparatus. The test interface permits the provision and/or monitoring of a large number of channel signals without separate respective connections to the communications apparatus. This may be particularly useful where tests are performed in a constrained space and/or where repeated access to the apparatus is impractical e.g. in a vacuum chamber. The simultaneous provision of many channel signals may allow evaluation of co channel interference.

No. of Pages : 35 No. of Claims : 15

(21) Application No.1094/CHE/2013 A

# (19) INDIA

(22) Date of filing of Application :14/03/2013

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : DESIGNING AND FABRICATION TECHNOLOGY OF FLOATING LOBSTER REARING MARINE FRP CAGE FOR LOBSTER FATTENING (FIBRE REINFORCED PLASTIC)

(51) International classification	:A01K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TAMILNADU VERTERINARY AND ANIMAL
(32) Priority Date	:NA	SCIENCES UNIVERSITY
(33) Name of priority country	:NA	Address of Applicant :MADHAVARAM MILK COLONY,
(86) International Application No	:NA	CHENNAI - 600 051 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)DR. S. FELIX
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A marine floating fiber reinforced plastic cage for rearing and fattening of lobster comprising a box type cage (fig 1) made a fiber reinforced plastic stuffed with polyurethane foam to enable floating with a provision for door(1) on the top of the cage and also a provision for feeding(2) the lobster on the top of the cage and the corners of the cage at the bottom has a hole(4) reinforced with additional polymer sheets to fix anchoring claim and the side walls of the cage contain perforation(3) for passage of water.

No. of Pages : 7 No. of Claims : 3

#### (19) INDIA

(22) Date of filing of Application :14/03/2013

# (21) Application No.1095/CHE/2013 A

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : MICROBIAL CONSORTIA ENABLED FERMENTED MARINE SINGLE CELL DETRITUS (FMSCD) FEED PREPARTION PROCESS FOR SHRIMP LARVAE REARING

(51) International classification	:C12P	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TAMILNADU VERTERINARY AND ANIMAL
(32) Priority Date	:NA	SCIENCES UNIVERSITY
(33) Name of priority country	:NA	Address of Applicant :MADHAVARAM MILK COLONY,
(86) International Application No	:NA	CHENNAI 600 051 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)DR. S. FELIX
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

Marine single cell detritus (MSCD), a seaweed based fermented product is meant for shrimp larval feeding in the hatcheries and in their nursery phase. For preparation of MSCD in an automated fermentor, seaweed was chosen among the many seaweeds tested as the base material. Cellulase enzyme (Deniwash 1000L) was used for the production of single cell units of the fronds of seaweeds. Fermentation of seaweed was carried out by a lactic acid bacterium Lactobacillus plantarum (MTCC 1325) and Saccharomyces cerevisiae (MTCC No.4780), by inoculating them at a rate of 105 cfu/ml along with the materials viz.potato and soya powders. The process of fermentation was monitored continuously by estimating the lactic acid concentration, pH levels and microbial propagation rate and also by the odour. The microbial propagation pattern for a period of 55 days also has been observed. The product (MSCD) prepared was used as shrimp larval diet for Penaeus tnonodon ,a penaeid shrimp and its dietary efficiency was studied.

No. of Pages : 7 No. of Claims : 5

(21) Application No.1137/CHE/2013 A

# (19) INDIA

(22) Date of filing of Application :15/03/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : TANDEM AXLE WITH OPTIMIXZED INTER-AXLE DRIVE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> </ul>	:B60K :61/612,366 :18/03/2012 :U.S.A.	,
(86) International Application No Filing Date	:NA :NA	<ul> <li>(72)Name of Inventor :</li> <li>1)ZIECH, JAMES, F.</li> </ul>
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract :

Various drive axle systems are described each having a bevel gear system associated with the front axle system that is designed to minimize the angle of the inter-axle driveline with respect to the rear axle pinion gear.

No. of Pages : 29 No. of Claims : 13

(21) Application No.2112/CHE/2013 A

# (19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PROCESS FOR THE PREPARATION OF (2A, 5B, 7B, 10B, 13A)-4ACETOXY-13-({2R,3S})-3-[(TERTBUTOXYCARBONYL) AMINO]-2-HYDROXY-3-PHENYLPROPANOYL} OXY)-1-HYDROXY-7,10-DIMETHOXY-9-OXO-5,20-EPOXYTAX-11-EN-2-YL BENZOATE

(51) International classification	:C07C227/14	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MSN LABORATORIES PRIVATE LIMITED
(32) Priority Date	:NA	Address of Applicant :FACTORY: SY.NO.317 & 323,
(33) Name of priority country	:NA	RUDRARAM (VIL), PATANCHERU (MDL), MEDAK (DIST) -
(86) International Application No	:NA	502 329 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SRINIVASAN THIRUMALAI RAJAN
(61) Patent of Addition to Application Number	:NA	2)MUPPA KISHORE KUMAR
Filing Date	:NA	3)NIMMALA SRINIVAS RAO
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a process for the preparation of (2a,5p,7p,10p,13a)-4-acetoxy-13-({(2R,3S)-3-

[(tertbutoxycarbonyl)amino]-2-hydroxy-3-phenylpropanoyl}oxy)-l-hydroxy-7,10-dimethoxy-9-oxo-5,20-epoxytax-ll-en-2-yl benzoate compound of formula-1 and intermediates thereof. Formula-1

No. of Pages : 30 No. of Claims : 9

(21) Application No.10158/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :19/12/2013

(54) Title of the invention : MEDIA STORAGE AND FEEDING DEVICE

(43) Publication Date : 21/11/2014

#### (51) International classification :G07D9/00 (71)Name of Applicant : (31) Priority Document No :2011162419 1)OKI ELECTRIC INDUSTRY CO. LTD. (32) Priority Date :25/07/2011 Address of Applicant :1 7 12 Toranomon Minato ku Tokyo (33) Name of priority country :Japan 1058460 Japan :PCT/JP2012/062103 (72)Name of Inventor : (86) International Application No 1)IWATSUKI Kei Filing Date :11/05/2012 (87) International Publication No :WO 2013/014993 2)KASHIWABUCHI Masashi (61) Patent of Addition to Application **3)SUETAKA Michio** :NA Number 4)HATA Naoki :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract :

This media storage and feeding device is provided with: multiple rotatably provided one side reels multiple one side tapes wound around the multiple one side reels; a rotatably provided drum which rotating in one direction winds up and stores media overlapping multiple one side tapes and which rotating in the reverse direction and feeds out wound media; multiple holding parts which are provided in positions opposite of the multiple one side tapes with the media wound on the drum or fed out from the drum therebetween and which contact one surface of the media to hold said media. The multiple one side tapes less wide than the media are provided in parallel in the width direction of the media at an interval shorter than the width of the media and contact the other surface of the media being conveyed inside the device can be prevented from curling.

No. of Pages: 83 No. of Claims: 17

(21) Application No.1306/CHE/2013 A

# (19) INDIA

(22) Date of filing of Application :26/03/2013

#### (43) Publication Date : 21/11/2014

(54) Title of the invention : COLLAPSIBLE HANDLE CUM EXTRACTOR FOR AVIONICS MODULE		
(51) International classification:1(31) Priority Document No:1(32) Priority Date:1(33) Name of priority country:1(86) International Application No:1Filing Date:1(87) International Publication No:1(61) Patent of Addition to Application Number:1Filing Date:1	B23Q NA NA NA	RACTOR FOR AVIONICS MODULE (71)Name of Applicant : 1)SLRDC, HAL Address of Applicant :AGM(D), SLRDC, HINDUSTAN AERONAUTICS LIMITED, AVIONICS DIVISION, BALANAGAR, HYDERABAD - 500 042 Andhra Pradesh India (72)Name of Inventor : 1)LAKSHMANA KUMAR MATHA
**	NA	

(57) Abstract :

The collapsible handle cum extractor is designed to eject the Avionics MODULE from the system with high Mechanical Advantage (M.A.) of the order of 3.5, required Velocity Ratio (Leverage), position retainer with leaf spring hinged at the front panel of module with pins. Handle can stop at two positions namely completely collapsed and completely raised with a total degree of rotation 95° (from 0° to 95°). The position of the handle is maintained by integrated CAM profile and a leaf spring. It has 3 smooth recesses to hold and offers less stress on fingers. This handle is meant for pulling loads to the extent of 15 Kg with minimum effort. This handle do not produce any chattering during mechanical vibrations. This consists of three(3) components namely handle, leaf spring and pin as shownin

No. of Pages : 10 No. of Claims : 8

# (19) INDIA

#### (22) Date of filing of Application :26/03/2013

# (21) Application No.1308/CHE/2013 A

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : COMMERCIAL FM BROADCAST SUPPRESSION FILTER FOR MILTARY AIRBORNE APPLICATIONS

(51) International classification	·H04B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SLRDC, HAL
(32) Priority Date	:NA	Address of Applicant :AGM(D), SLRDC, HINDUSTAN
(33) Name of priority country	:NA	AERONAUTICS LIMITED, AVIONICS DIVISION,
(86) International Application No	:NA	BALANAGAR, HYDERABAD - 500 042 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)MANDEPAKA VENKATESWARA SRI NAGESH
(61) Patent of Addition to Application Number	:NA	2)ABHINAV SAXENA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

Figure A As the Commercial FM Broadcast frequency spectrum (88-108 MHz) and the Air Traffic Controller (ATC) radio communication spectrum (118-137MHz) are adjacent, the strong transmissions from the FM Broadcast Stations interfere with radio communications on board military aircraft flying low in over urban areas. The filter is thus designed to suppress the FM music signal and static noise interfering with the desired communication signal. The filter is placed in between and in series with the radio communication set and the antenna unit on the aircraft; such that all the signals entering into the radio communication set has to pass through the filter and thus interfering noise will be suppressed by the filter.

No. of Pages : 9 No. of Claims : 2

(21) Application No.2141/CHE/2013 A

# (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : A DEVICE AND METHOD FOR CONTROLLING ENGINE OPERATION PARAMETERS (51) International classification :F02D41/00 (71)Name of Applicant : (31) Priority Document No :NA **1)BOSCH LIMITED** Address of Applicant : POAT BOX NO 3000, HOSUR ROAD, (32) Priority Date :NA ADUGODI, BANGALORE-560 030 Karnataka India (33) Name of priority country :NA (86) International Application No :NA 2)ROBERT BOSCH GMBH Filing Date :NA (72)Name of Inventor : (87) International Publication No **1)HAUKE ROESCH** : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA

:NA

(57) Abstract :

Filing Date

An apparatus (10) and method for controlling engine operation parameters is disclosed. The apparatus (10) comprises a mobile device (12) provided with an interface means (14) for receiving user inputs corresponding to the desired engine performance characteristics. The mobile device (12) communicates with an engine control unit (ECU) (16) on board a vehicle, and is adapted to transmit signals corresponding to the user input to the ECU (16). The ECU (16) receives the signals from a mobile device (12) corresponding to user input for desired engine performance parameters and adjusts the engine operation based on the user inputs based on pre stored calibration maps (18).

No. of Pages : 12 No. of Claims : 15

(21) Application No.1219/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :14/02/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : IMPROVED CLOSURE ASSEMBLY WITH A MULTI ROD DRIVE FOR THE INJECTION MOULDING OF PLASTIC MATERIAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:18/07/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)THERMOPLAY S.p.A. Address of Applicant :Via Carlo Viola 74 11026 Pont sanit Martin (AO) Italy</li> <li>(72)Name of Inventor :</li> <li>1)ENRIETTI Roberto</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:WO 2012/011139 :NA :NA :NA :NA	

#### (57) Abstract :

Closure assembly (10) of the type with a multi rod drive for the injection moulding of plastic material (MP) comprising: a plurality of closing rods (12 1 12 2) each associated with a respective nozzle or injection unit (11 1 11 2) for the injection of the plastic material (MP) into a mould (20) and a driving plate (13) common to the plurality of closing rods wherein the driving plate (13) is adapted to move between an open position (P1) and a closed position (P2) between a bottom plate (14) and the mould (20) to contemporarily drive the plurality of closing rods (12 1 12 2) between a corresponding open (1) and closed (2) position respectively to open and to close an injection hole (18) of the injection unit (11 1 11 2) and wherein there are provided disconnecting and fixing means (40 41) associated with each closing rod (12 2 12 2) for disconnecting it from the driving plate (13) independently from the other closing rods and to firmly fix it once disconnected on a side (20a) of the mould (20). Advantageously the closure assembly allows an easy disconnection of a closing rods (12 1) for instance because defective or following a failure of it from the driving plate (13) and at the same time allows that the other closing rods (12 2) that remain connected to the driving plate (13) can continue to be used to inject through the respective injection unit (11 2) the plastic material (MP) into the mould (20).

No. of Pages : 24 No. of Claims : 8

(21) Application No.1902/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :08/03/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : GENERATION AND USE OF PLURIPOTENT STEM CELLS

(51) International classification (21) Drivity Drammart No.	:C12N5/074,C12N5/10,C12N15/12	(71)Name of Applicant : 1)THE JOHNS HOPKINS UNIVERSITY Address of Applicant 100 North Charles Street 5th Floor
<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:61/372166 :10/08/2010	Address of Applicant :100 North Charles Street 5th Floor Baltimore Maryland 21201 U.S.A.
(32) Flority Date (33) Name of priority country		2)PONDICHERRY BIOTECH PRIVATE LIMITED
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:PCT/US2011/047268 :10/08/2011 :WO 2012/021632	<ul> <li>(72)Name of Inventor :</li> <li>1)CHANDRASEGARAN Srinivasan</li> <li>2)SIVAPRAKASH Ramalingam</li> <li>3)KANDAVELOU Karthikeyan</li> <li>4)LONDON Victoriya</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract :

Methods compositions constructs vectors cell lines and kits for generating induced pluripotent stem cells by site specific integration of pluripotency coding sequences with endonucleases for use in gene therapy regenerative medicine cell therapy or drug screening.

No. of Pages : 94 No. of Claims : 89

(21) Application No.2125/CHE/2013 A

## (19) INDIA

(22) Date of filing of Application :14/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : SYSTEM AND METHOD OF IP SESSION CONTINUITY IN A DEVICE-TO-DEVICE COMMUNICATION SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SAMSUNG ELECTRONICS CO., LTD. Address of Applicant :129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, Republic of Korea Republic of Korea</li> </ul>
Filing Date	:NA	(72)Name of Inventor :
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA	1)Anil AGIWAL 2)Young Bin CHANC
Filing Date	.NA :NA	2)Young-Bin CHANG 3)Ki-Suk KWEON
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A method for performing, by a User Equipment (UE), Device-to-Device (D2D) communication using a wireless communication network is provided. The method includes performing D2D communication via a direct communication path using an allocated Internet Protocol (IP) address, establishing a first Evolved Packet System (EPS) bearer supporting D2D communication via the wireless communication network, to a Packet Data Network (PDN) Gateway (P-GW), determining to switch from the direct communication path to D2D communication via the wireless communication network, and communicating an IP packet through the first EPS bearer based on the determination. An IP packet transmitted through the first EPS bearer may not be transmitted to a packet data network, or an IP packet received through the first EPS bearer is not received from the packet data network

No. of Pages : 74 No. of Claims : 24

(21) Application No.2180/CHE/2013 A

## (19) INDIA

(22) Date of filing of Application :17/05/2013

(54) Title of the invention : MOTORCYCLE BODY FRAME STRUCTURE

(43) Publication Date : 21/11/2014

(51) International classification	:B62K19/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TVS MOTOR COMPANY LIMITED
(32) Priority Date	:NA	Address of Applicant : JAYALAKSHMI ESTATES NO.29
(33) Name of priority country	:NA	(OLD NO.8) HADDOWS ROAD, CHENNAI 600 006 Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)K ARAVIND REDDY
(61) Patent of Addition to Application Number	:NA	2)VELAGAPUDI SAI PRAVEEN
Filing Date	:NA	3)N SANKARANARAYANAN
(62) Divisional to Application Number	:NA	4)RAMASAMY BALASUBRAMANIAN ANAND
Filing Date	:NA	5)K VENKATA MANGA RAJU

(57) Abstract :

There is disclosed a motorcycle body frame (20) having a head pipe (22), a main tube (23) including a main tube upper portion (23a) and a main tube lower portion (23b), a downtube (24), a pair of upper tubes (26), and a pair of side tubes (28). The main tube (23) of the body frame includes top engine mounting members (108a) and bottom engine mounting members (108b). The top engine mounting members (108a), a pair of swing arm boss (107), a pair of engine support boss (110), and the pair of side tubes (28) are jointly mounted along with the main tube lower portion (23b) forming a junction substantially above the bottom engine mounting members (108b).

No. of Pages : 21 No. of Claims : 8

(21) Application No.1504/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :25/02/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD AND DEVICE FOR SAFELY SWITCHING A PHOTOVOLTAIC SYSTEM AFTER DIFFERENTIATING THE ARC TYPE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	•	<ul> <li>(71)Name of Applicant :</li> <li>1)ELLENBERGER &amp; POENSGEN GMBH Address of Applicant :Industriestrasse 2 8 90518 Altdorf Germany</li> <li>(72)Name of Inventor :</li> <li>1)STROBL Christian</li> <li>2)MIKLIS Markus</li> </ul>
(87) International Publication No	:WO 2012/028247	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a method and device for safely switching a direct voltage system (1) in particular a photovoltaic system in the event of an arc occurring on the direct current side wherein the generated direct current and the produced direct voltage are set with regard to power guidance. In the event of sensor detected arc the power guidance (MPP) is adjusted and a power change of the arc is detected wherein in the event of a power drop of the arc a serial or parallel arc is detected according to the adjustment direction () of the power guidance (MPP). In the event of a serial arc a direct current interruption is produced and in the event of a parallel arc a short circuit current is produced.

No. of Pages : 20 No. of Claims : 10

(21) Application No.1505/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :25/02/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : FORCING OFF DEVICE AND CONTAINER COMPRISING SUCH A DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H05K5/02 :10 2010 032 832.4 :30/07/2010 :Germany :PCT/EP2011/002980 :16/06/2011 :WO 2012/013267 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)COOPER CROUSE HINDS GMBH Address of Applicant :Senator Schwartz Ring 26 59494 Soest Germany</li> <li>(72)Name of Inventor :</li> <li>1)SAUER Dieter</li> <li>2)HIERONYMUS Frank</li> <li>3)SCHWARZ Gerhard</li> </ul>
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(57) Abstract :

A forcing off device is provided on an in particular explosion proof or flameproof container. The container has at least one base body having an opening surrounded by an opening edge and a cover part that can be placed onto or inserted into the opening edge. In order to provide a forcing off device of such a container in the case of which the container can be opened in a simple manner without damage a forcing off shoulder is formed on the base body or cover part at least in a section in the circumferential direction of the container. Furthermore at least one forcing off part is mounted on the cover part or on the base body in rotatable fashion between a forcing off position and a passive position. In the forcing off position the forcing off part is in abutment with the forcing off shoulder for the gap forming separation of cover part and base body.

No. of Pages : 15 No. of Claims : 9

#### (21) Application No.1753/CHENP/2013 A

## (19) INDIA

#### (22) Date of filing of Application :04/03/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : BRANDED BROWSER FRAME

## (57) Abstract :

In at least some embodiments a web browser user interface is designed to enable site branding and functionality. Specifically websites can provide content that can be utilized in a control layout area near the top of the web browser user interface to reinforce branding through the use of color and/or a site provided icon termed a favicon that serves dual roles as a branding instrumentality and a site s home button. Further in at least some embodiments branding can be reinforced through the use of a site associated color that is utilized for rendering one or more web browser navigation controls.

No. of Pages : 31 No. of Claims : 15

(21) Application No.2438/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :28/03/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : DITHIIN TETRA(THIO) CARBOXIMIDES FOR CONTROLLING PHYTOPATHOGENIC FUNGI

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:PCT/EP2011/064831 :29/08/2011 :WO 2012/028587 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant :Alfred Nobel Strasse 10 40789</li> <li>Monheim Germany</li> <li>(72)Name of Inventor :</li> <li>1)HIMMLER Thomas</li> <li>2)SEITZ Thomas</li> <li>3)WACHENDORFF NEUMANN Ulrike</li> </ul>
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to novel dithiin tetra(thio) carboximides a method for producing said compounds agents which contain said compounds and their use as biologically active compounds particularly for controlling harmful microorganisms in plant and material protection and as plant growth regulators.

No. of Pages : 39 No. of Claims : 11

(21) Application No.2439/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :28/03/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : TURBINE EXTERNAL COMPARTMENT FRAME FOR TURBINE EXTERNAL COMPARTMENT AND METHOD FOR CONSTRUCTING FRAME FOR TURBINE EXTERNAL COMPARTMENT

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:2011009238	<ul> <li>(71)Name of Applicant :</li> <li>1)MITSUBISHI HEAVY INDUSTRIES LTD. Address of Applicant :16 5 Konan 2 chome Minato ku Tokyo 1088215 Japan</li> </ul>
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No Filing Date	:PCT/JP2011/079659 :21/12/2011	1)KONDO Makoto 2)NAKAZAWA Tamiaki
(87) International Publication No	:WO 2012/098804	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract :

The objective is to provide a turbine external compartment with which the flow of steam in the interior of the compartment can be improved and the rigidity of the compartment can be increased with a simple structure and to provide a frame for a turbine external compartment and a method for constructing a frame for a turbine external compartment. This turbine external compartment is installed in a steel plate concrete structure for which the intervals between multiple steel plates are filled with concrete (13) with a side plate part (3) or an end plate part (4) that forms the lower half of the compartment comprising the steel plates that form the frame.

No. of Pages : 43 No. of Claims : 4

(21) Application No.10578/CHENP/2012 A

## (19) INDIA

(22) Date of filing of Application :19/12/2012

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : CYLINDER HEAD AND INTERNAL COMBUSTION ENGINE EQUIPPED THEREWITH

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:F02B75/08,F02B77/04,F02F1/42 :10 2010 030 499.9 :24/06/2010 :Germany :PCT/DE2011/050006 :15/03/2011 :WO 2011/160624 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>MAN DIESEL &amp; TURBO SE</li> <li>Address of Applicant :Stadtbachstr. 1 86153 Augsburg</li> </ol> </li> <li>(72)Name of Inventor : <ol> <li>HENNE Ingo</li> <li>SCHIEFER Frank</li> </ol> </li> </ul>
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(57) Abstract :

The invention relates to a cylinder head (10) and to an internal combustion engine (1) equipped therewith wherein the cylinder head has a plurality of media passages each of which has a media contact surface for conducting a medium. The cylinder head is designed in such a way that the cylinder head has an increased service life compared to the prior art. This is achieved in that the media contact surface (11a) of at least one media passage (11) for conducting a corrosive medium of the plurality of media passages is made of corrosion resistant material.

No. of Pages : 13 No. of Claims : 9

(21) Application No.1890/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :08/03/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHODS AND APPARATUSES FOR CELL SELECTION IN A COMMUNICATIONS NETWORK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:H04W48/20 :1013639.8 :13/08/2010 :U.K. :PCT/JP2011/068719 :12/08/2011 :WO 2012/020851 :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>NEC Corporation <ul> <li>Address of Applicant :7 1 Shiba 5 chome Minato ku Tokyo</li> </ul> </li> <li>1088001 Japan</li> <li>(72)Name of Inventor : <ul> <li>AWAD Yassin Aden</li> <li>SHARMA Vivek</li> <li>NOMA Satoshi</li> </ul> </li> </ol></li></ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A first base station for use in a communications network the first base station having a first cell operating range comprising: means for obtaining data relating to at least one characteristic of a signal transmitted by a second base station having a second cell operating range which is different from and overlaps with the first cell operating range of the first base station; means for determining a cell selection bias value for the first or second base station using the obtained data; and means for transmitting the determined cell selection bias value to a user device within the first cell operating range of the first base station.

No. of Pages : 30 No. of Claims : 33

(21) Application No.1891/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :08/03/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD FOR PURIFYING PEGYLATED ERYTHROPOIETIN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:A61K47/48,B01D15/36 :10176616.0 :14/09/2010 :EPO :PCT/EP2011/065888 :13/09/2011 :WO 2012/035037 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)F. HOFFMANN LA ROCHE AG Address of Applicant :Grenzacher Strasse 124 CH 4070 Basel Switzerland</li> <li>2)SCHURIG Sibylle</li> <li>(72)Name of Inventor :</li> <li>1)FALKENSTEIN Roberto</li> <li>2)KOEHNLEIN Wolfgang</li> <li>3)KUHNE Wolfgang</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Herein is reported a method for the purification of a protein comprising erythropoietin and a single poly (ethylene glycol) residue from reaction by products or not reacted starting material by a cation exchange chromatography method. It has been found that by employing a cation exchange SP Sephacryl S 500 HR chromatography material conditioned to a conductivity of 21 m S/cm and a linear gradient elution a fusion protein of erythropoietin and a single poly (ethylene glycol) residue can be obtained in a single step with high purity and yield.

No. of Pages : 32 No. of Claims : 9

(21) Application No.1892/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :08/03/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : NEUROPILIN AS A BIOMARKER FOR BEVACIZUMAB COMBINATION THERAPIES

<ul> <li>(33) Name of priority country</li> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International</li> <li>PUBlication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to</li> <li>(Application to</li> <li>(Application to</li> <li>(Application Number</li> <li< th=""><th>Dorothee</th></li<></ul>	Dorothee
(62) Divisional to Application Number Filing Date (57) Abstract :	

(57) Abstract :

The present invention provides methods for improving treatment effect in a patient suffering from gastric cancer in

particular adenocarcinoma of the stomach or gastro esophageal junction (GEJ) by treatment with bevacizumab (Avastin®) in combination with a chemotherapy regimen by determining the expression level of neuropilin relative to a control level determined in patients suffering from gastric cancer in particular adenocarcinoma of the stomach or gastro esophageal junction (GEJ). The improved treatment effect may be improved overall survival or improved progression free survival. The present invention further provides for methods for assessing the sensitivity or responsiveness of a patient to bevacizumab (Avastin®) in combination with a chemotherapy regimen by determining the expression level of neuropilin relative to a control level determined in patients suffering from gastric cancer in particular adenocarcinoma of the stomach or gastro esophageal junction (GEJ).

No. of Pages : 37 No. of Claims : 20

(21) Application No.255/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :10/01/2013

#### (43) Publication Date : 21/11/2014

(51) International classification	:B60K31/00,G05B13/04	(71)Name of Applicant :
(31) Priority Document No	:10506665	1)SCANIA CV AB
(32) Priority Date	:23/06/2010	Address of Applicant :S 151 87 Sdertlje Sweden
(33) Name of priority country	:Sweden	(72)Name of Inventor :
(86) International Application No	:PCT/SE2011/050808	1)JOHANSSON Oskar
Filing Date	:21/06/2011	2)S-DERGREN Maria
(87) International Publication No	:WO 2011/162705	3)ROOS Fredrik
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(54) Title of the invention : METHOD AND MODULE FOR CONTROLLING A VEHICLE'S SPEED

(57) Abstract :

The invention relates to a method for controlling a vehicle s speed which comprises: adopting a desired speed vset for the vehicle; determining by means of map data and location data a horizon for the intended itinerary which is made up of route segments with at least one characteristic for each segment; effecting the following during each of a number of simulation cycles (s) each comprising a number N of simulation steps conducted at a predetermined frequency f: making a first prediction of the vehicle s speed v along the horizon with conventional cruise control when v is presented as reference speed which prediction depends on the characteristics of said segment; comparing the predicted vehicle speed v with v and v which demarcate a range within which the vehicle s speed is intended to be; making a second prediction of the vehicle s speed v along the horizon when the vehicle s engine torque T is a value which depends on the result of said comparison in the latest preceding simulation cycle (s 1); determining at least one reference value for how the vehicle s speed is to be influenced on the basis of at least one of said comparisons in that simulation cycle (s) and the predicted vehicle speed v; sending to a control system in the vehicle said at least one reference value with respect to which the vehicle is thereupon regulated. The invention comprises also a module for controlling a vehicle s speed.

No. of Pages : 29 No. of Claims : 24

(21) Application No.10164/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :20/12/2013

#### (43) Publication Date : 21/11/2014

## (54) Title of the invention : COMPOUNDS FOR TARGETING DRUG DELIVERY AND ENHANCING SIRNA ACTIVITY

(57) Abstract :

Here described are compounds of formula I: wherein Rand R is independently selected from a group consisting of C to C alkyl C to C alkenyl and oleyl group; wherein R and R are independently selected from a group consisting of C to C alkyl and C to C alkanol; wherein X is selected from a group consisting of CH S and O or absent; wherein Y is selected from (CH)n S(CH) O(CH) thiophene SO(CH) and ester wherein n = 1.4; wherein a = 1.4; wherein b=1.4; wherein c=1.4; and wherein Z is a counterion; and compounds consisting of the structure (targeting molecule) linker (targeting molecule) wherein the targeting molecule is a retinoid or a fat soluble vitamin having a specific receptor on the target cell; wherein m and n are independently 0.1.2 or 3; and wherein the linker comprises a polyethylene glycol (PEG) or PEG like molecule as well as compositions and pharmaceutical formulations including one or both of these compounds which are useful for the delivery of therapeutic agents; and methods of using these compositions and pharmaceutical formulations.

No. of Pages : 144 No. of Claims : 65

(21) Application No.1547/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :26/02/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : DECISION DIRECTED ANTENNA DIVERSITY IN RADIO FREQUENCY RECEIVERS

<ul> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> <li>(87) International Publication</li> </ul> </li> <li>No <ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> </ul> </li> </ul>	:U.S.A. :PCT/US2011/049439 :26/08/2011 :WO 2012/027720 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :Attn: International Ip Administration</li> <li>5775 Morehouse Drive San Diego California 92121 1714 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)SADEK Ahmed K.</li> <li>2)BALAMURTHI Raamkumar</li> </ul>
Application Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A white space sensing method includes receiving a signal on each of multiple antennas (402 404) in an alternating fashion. The method also includes calculating feature metrics for incumbent signals on a given frequency channel for all antennas (e.g. pilot strength luminance carrier strength (for NTSC)) The strongest of the antennas can be selected based on the calculated feature metrics for white space sensing.

No. of Pages : 23 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :28/02/2013

(21) Application No.1658/CHENP/2013 A

(43) Publication Date : 21/11/2014

## (54) Title of the invention : CONNECTING UNIT FOR WIPER ARM AND FLAT WIPER BLADE WITH THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> </ul>	:08/09/2011 :WO 2012/033364 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ADM21 CO. LTD Address of Applicant :607 Hakdang ri Cheongyang eup Cheongyang gun Chungcheongnam do 345 803 Republic of Korea (72)Name of Inventor :</li> <li>1)KIM In Kyu</li> <li>2)NAM Kyung Jong</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A connecting unit for a flat wiper blade is provided. The connecting unit separably connects the flat wiper blade to a wiper arm having one of the following: a first coupling element including a top plate and a pair of side plates having a concave portion at a rear end; a second coupling element including a top plate and a pair of side plates; and a third coupling element including a side pin and a clip arm. The connecting unit has a bracket fixed to a frame of the flat wiper blade and an adaptor. The adaptor is pivotally mounted on the bracket via a pivot shaft of the bracket. The adaptor has first to third fixing devices separably fixing the adaptor to the first to third coupling elements respectively. The flat wiper blade is connected to the wiper arms via the adaptor.

No. of Pages : 45 No. of Claims : 14

(21) Application No.2152/CHE/2013 A

## (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : A PROCESS FOR IMAGING BACTERIA USING IMMOBILIZING MATRIX FROM BAGASSE

(51) International classification	:C12N	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN COUNCIL OF AGRICULTURAL RESEARCH
(32) Priority Date	:NA	Address of Applicant : CENTRAL INSTITULE OF
(33) Name of priority country	:NA	BRACKISHWATER AQUACULTURE 75, SANTHOME HIGH
(86) International Application No	:NA	ROAD, RA PURAM, CHENNAI - 600 028 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)DR. KISHORE KUMAR KRISHNANI
(61) Patent of Addition to Application Number	:	2)DR. ISMAIL SAHEB AZHAD
Filed on	:01/01/1900	
(62) Divisional to Application Number	:NA	4)DR. MUDAGANDUR SHASHI SHEKHAR
Filing Date	:NA	5)RAVICHANDRAN PITCHAIYAPPAN

(57) Abstract :

The present invention relates to a process for imaging bacteria under Scanning Electron Microscope using low cost matrix prepared from abundantly available product of sugarcane industry. This process is simple, cost effective and has an application for imaging bacteria for microscopic and biofilm studies.

No. of Pages : 28 No. of Claims : 4

(21) Application No.378/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :16/01/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHODS TO ENSURE STATISTICAL POWER FOR AVERAGE PRE AND POST PRANDIAL GLUCOSE DIFFERENCE MESSAGING

(51) International classification (31) Priority Document No	:A61B5/145,G06F19/00 :61/360137	(71)Name of Applicant : 1)LIFESCAN SCOTLAND LIMITED
(32) Priority Date	:30/06/2010	Address of Applicant :Beechwood Park North Inverness IV2
(33) Name of priority country	:U.K.	3ED U.K.
(86) International Application No	:PCT/GB2011/000992	(72)Name of Inventor :
Filing Date	:30/06/2011	1)BLYTHE Stephen
(87) International Publication No	:WO 2012/001365	2)MALECHA Michael
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract :

DA diabetes management system and method are provided herein that may be used to analyze a patient s level of control of their diabetes by looking at the difference between blood glucose measurements taken before and after a meal. If the standard deviation of the differences calculated between pre and post prandial results is found to vary significantly from a predetermined threshold value then a message or graphical indication may be displayed to the user. Messages may provide suggestions to the user as to ways to better manage their condition to ensure compliance of any prescribed diabetes regimen or to guide the patient in managing their diabetes.

No. of Pages : 47 No. of Claims : 10

(21) Application No.2440/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :28/03/2013

(43) Publication Date : 21/11/2014

#### (71)Name of Applicant : (51) International :H04M1/00,G06F3/041,G06F3/048 classification **1)NEC CORPORATION** (31) Priority Document No :2010197802 Address of Applicant :7 1 Shiba 5 chome Minato ku Tokyo (32) Priority Date :03/09/2010 1088001 Japan (33) Name of priority country :Japan (72)Name of Inventor : (86) International Application 1)TOMIMORI Hiroyuki :PCT/JP2011/058208 No :31/03/2011 Filing Date (87) International Publication :WO 2012/029345 No (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(54) Title of the invention : MOBILE TERMINAL AND DISPLAY CONTROL METHOD THEREOF

(57) Abstract :

The present invention is applied to a mobile terminal wherein two cases are connected so as to be mutually openable and closeable. The mobile terminal of the present invention has: two display means provided in each of the two cases; a touch panel type input means that detects contact with each of the two display means; a specification button arranged on one of the two display means; and a control means that when the specification button has been flicked determines which application executed on the display screens of the two display means the flick operation corresponds to according to the direction of the flick operation and executes processing allocated to the specification button operation within the application that has been determined.

No. of Pages : 13 No. of Claims : 5

(21) Application No.3843/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : DIRECT CONNECTION BETWEEN A TUBE AND A FLAT ELEMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:E04B1/19 :P201001352 :21/10/2010 :Spain :PCT/ES2011/070723	<ul> <li>(71)Name of Applicant :</li> <li>1)EUROPEA DE CONSTRUCCIONES METALICAS S.A. Address of Applicant :Ctra. A 376 Km.22 E 41710 Utrera Spain</li> <li>(72)Name of Inventor :</li> </ul>
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:20/10/2011 :WO 2012/052592 :NA :NA :NA :NA	1)MU'OZ FERNANDEZ Eduardo 2)CARRASCO GIMENA Maximiliano 3)PARRA FERN NDEZ MOTA Jos Ignacio 4)GARIDO DELGADO Luis

(57) Abstract :

The invention relates to a direct connection between a tube and a flat element by means of a connector preferably formed by stamping on the tube itself that enables joining the latter to the flat element without auxiliary elements by nest like insertion of same into the flat element and subsequent attachment by means of screws rivets bolts pins or other elements. Said connection can be used in the construction of modular bidimensional or tridimensional tubular structures forming a single double or multi layer latticework preferably for supporting parabolic trough solar collectors.

No. of Pages : 14 No. of Claims : 9

(21) Application No.3844/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SYSTEMS METHODS AND/OR APPARATUS FOR THERMOELECTRIC ENERGY GENERATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:H01L35/30 :61/413995 :16/11/2010 :U.S.A. :PCT/US2011/060937 :16/11/2011 :WO 2012/068218 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LANG Daniel Stewart Address of Applicant :2777 Paradise Road Suite 3202 Las Vegas NV 89109 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)LANG Daniel Stewart</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Systems methods and/or apparatus for the conversion of various types of energy into thermal energy that may be stored and/or then converted into electrical energy. The electrical energy may be available on demand and/or at a user s desired power requirements (e.g. power level and/or type). For example the energy may be available at a particular voltage and either as direct current (DC) energy or alternating current (AC) energy. The electrical energy may be easily transported and therefore available at a user s desired location. For example the systems methods and/or devices may eliminate or reduce the need for electricity transmission at least for certain applications. In exemplary embodiments the system may include an organic phase change material for storing the thermal energy.

No. of Pages : 50 No. of Claims : 8

(21) Application No.3845/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : ARRANGEMENT WITH DEVICES FOR INTEGRATED COOLING AND/OR HEATING AND A METHOD FOR THE INTEGRATED HEATING OR COOLING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:10 2010 049 953.6 :21/10/2010 :Germany :PCT/EP2011/068368 :20/10/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)IMO HOLDING GMBH Address of Applicant :Imostrae 1 91350 Gremsdorf Germany</li> <li>(72)Name of Inventor :</li> <li>1)FRANK Hubertus</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:WO 2012/052521 :NA :NA :NA :NA	

### (57) Abstract :

The invention relates to an arrangement in the form of a bearing large rolling bearing pivoting drive or rotational

connection comprising components (1) and (3) which are rotatable in relation to one another and devices for the integrated heating or cooling of the rolling body raceways (2) or of the components (1) (3) which are rotatable in relation to one another and to a method for the integrated heating or cooling relating to a bearing large rolling bearing pivoting drive or a rotational connection respectively comprising components (1) (3) which are rotatable in relation to one another and devices for the integrated heating or cooling of said components (1) (3) and rolling body raceways (2) characterized in that the heating or cooling effect is respectively undertaken and can be controlled in a defined manner by direct entry of heat into the components or direct removal of heat from the components (1) (2) (3) and is formed by the cooperation of cold or heat generating elements (18) or functions or devices and whereby it is possible to switch between a heating effect and cooling effect.

No. of Pages : 32 No. of Claims : 21

(21) Application No.1446/CHENP/2013 A

## (19) INDIA

#### (22) Date of filing of Application :22/02/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : INTEGRATE	D LIQUID STORAGE	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:F25J1/00 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)AIR PRODUCTS AND CHEMICALS INC. Address of Applicant :7201 Hamilton Boulevard Allentown Pennsylvania 18195 1501 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)HIGGINBOTHAM Paul</li> <li>2)TOPHAM Anthony Knut James</li> <li>3)TAPSFIELD Kevin David Thomas</li> <li>4)ROSSMAN John Crawford</li> </ul>

(57) Abstract :

A system and process for liquefying a gas comprising introducing a feed stream into a liquefier comprising at least a warm expander and a cold expander; compressing the feed stream in the liquefier to a pressure greater than its critical pressure and cooling the compressed feed stream to a temperature below its critical temperature to form a high pressure dense phase stream; removing the high pressure dense phase stream from the liquefier reducing the pressure of the high pressure dense phase stream in an expansion device to form a resultant two phase stream and then directly introducing the resultant two phase stream into a storage tank; and combining a flash portion of the resultant two phase stream with a boil off vapor from a liquid in the storage tank to form a combined vapor stream wherein the temperature of the high pressure dense phase stream is lower than the temperature of a discharge stream of the cold expander.

No. of Pages : 20 No. of Claims : 15

(21) Application No.1495/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :25/02/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : FULLY JACKETED SCREW CENTRIFUGE HAVING AN OVERFLOW WEIR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li></ul>	:10 2010 032 503.1	<ul> <li>(71)Name of Applicant :</li> <li>1)GEA MECHANICAL EQUIPMENT GMBH</li></ul>
Filing Date <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li>	:28/07/2010	Address of Applicant :Werner Habig Str. 1 59302 Oelde
Number	:Germany	Germany <li>(72)Name of Inventor :</li> <li>1)TERHOLSEN Stefan</li> <li>2)HERMELER J<sup>1</sup>/argen</li> <li>3)HORSTK-TTER Ludger</li> <li>4)QUITER Kathrin</li>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	5)TEIGELER J <sup>1</sup> /4rgen

(57) Abstract :

The invention relates to a fully jacketed screw centrifuge having at least one outlet for discharging clarified liquid from a drum (3) wherein said outlet comprises at least one or more passages (15) in a drum cover (17) each associated with a weir plate (19) each forming an overflow weir (21) at the radial inner edge thereof wherein at least one deflecting device (23) is designed at the outside on the drum cover (17) such that an escaping fluid flow is deflected in the circumferential direction and undergoes a twist in the circumferential direction wherein the at least one deflecting device (23) is designed such that the escaping fluid flow is deflected in the circumferential direction maintaining the overflow weir (21) at the overflow edge of the at least one weir plate (19) directly in the axial extension of the uncovered region of the penetration opening (15).

No. of Pages : 13 No. of Claims : 10

(21) Application No.3848/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : ASSEMBLY FOR EXTRACTING THE ROTATIONAL ENERGY FROM THE ROTOR HUB OF THE WIND TURBINE OF A WIND TURBINE SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:PCT/EP2011/005068	<ul> <li>(71)Name of Applicant :</li> <li>1)IMO HOLDING GMBH Address of Applicant :Imostrasse 1 91350 Gremsdorf Germany</li> <li>(72)Name of Inventor :</li> <li>1)HUBERTUS Frank</li> </ul>
Filing Date	:11/10/2011	
(87) International Publication No	:WO 2012/052123	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to an assembly for absorbing all the forces and torques occurring at the rotor hub of the wind turbine of a wind power plant whose rotor rotational axis points approximately in the direction of the wind during operation and for diverting axial and radial forces and tilting moments into load bearing structure of the wind power plant by means of at least one rotor bearing or main bearing, and for extracting the rotational energy from the rotor hub of the wind turbine by means of a single stage planetary gear mechanism whose planet gears are mounted on a planet gear carrier and simultaneously mesh with a sun gear and a ring gear, comprising a generator that is or can be connected to the output side of the planetary gear mechanism and operates to convert the rotational energy into electrical energy wherein the single stage planetary gear mechanism is integrated with at least one rotor bearing or main bearing of the wind power plant, and wherein the ring gear of the planetary gear mechanism is connected to the chassis frame or housing of the gondola of the wind power plant, and the sun gear of the planetary gear mechanism is connected to be generator in order to drive it, and wherein, finally, the generator does not protrude in the radial direction beyond the rotor bearing or main bearing.

No. of Pages : 32 No. of Claims : 29

## (19) INDIA

#### (22) Date of filing of Application :13/05/2013

(21) Application No.2119/CHE/2013 A

(43) Publication Date : 21/11/2014

(54) Title of the invention : A SYSTEM FOR PROVIDING MODULAR ACCESS TO ONE OR MORE DEVICES BASED ON A ROLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:H04L9/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SCHNEIDER ELECTRIC INDUSTRIES SAS Address of Applicant :35, RUE JOSEPH MONIER, F-92500 RUEIL MALMAISON France</li> <li>(72)Name of Inventor :</li> <li>1)MOHAMED SADAKKATHULLA ABDUL SALAM</li> <li>2)USHA NANDINI</li> </ul>
Filing Date	:NA :NA	

#### (57) Abstract :

A system for providing a modular access to one or more of devices located in one or more of panels based on a role associated with one or more users. The system includes an authentication controller and a monitoring and control system (MCS). The authentication controller includes a reader that receive an user identity from the user, and a control unit that is configured to provide access one or more of devices located in one or more of panels based on the role associated with the user identity. The MCS (i) receives and validates the user identity in a database to obtain the role associated with the user identity, (ii) sends authentication signals to the control unit to provide access to at least one of the one or more of devices.

No. of Pages : 21 No. of Claims : 10

(21) Application No.2456/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :28/03/2013

ADDI LANGE GONEDOL GROEFIN

(43) Publication Date : 21/11/2014

(54) Title of the invention : APPLIANCE	CONTROL SYSTEM	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:H05B37/02 :NA :NA :NA :PCT/JP2010/065156 :03/09/2010 :WO 2012/029177 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)PANASONIC CORPORATION <ul> <li>Address of Applicant :1006 Oaza Kadoma Kadoma shi Osaka</li> </ul> </li> <li>5718501 Japan <ul> <li>(72)Name of Inventor :</li> <li>1)TAKEHARA Kiyotaka</li> <li>2)HIBIYA Shinpei</li> <li>3)NAKAKITA Kenji</li> </ul> </li> </ul>

#### (57) Abstract :

An appliance control system is provided with a control apparatus human presence sensors and an operation switch. The control apparatus comprises a selecting unit for selecting the mode of an appliance driving unit that is for driving an appliance from among an operation mode wherein the appliance driving unit makes the appliance operate a limitation mode wherein the appliance driving unit limits the operation of the appliance and a stop mode wherein the appliance driving unit stops the operation of the appliance. The selection unit switches the appliance driving unit into operation mode when the operation switch is turned ON and switches the appliance driving unit into stop mode when the operation switch is turned ON and switches the appliance driving unit into a standby mode. When the operation switch is turned OFF. When the appliance driving unit is in operation mode and the human presence sensors do not detect any human being during a standby time the selection unit switches the appliance driving unit is in standby mode and the human presence sensors detect a human being during the standby time the selection unit switches the appliance driving unit is in standby mode and the human presence driving unit is in standby time in standby mode and when the human presence sensors do not detect a human being during the standby time in standby mode the selection unit switches the appliance driving unit into stop mode. When the appliance driving unit is in standby mode the selection unit switches the appliance driving unit into operation mode and when the human presence sensors do not detect a human being during the standby time in standby mode the selection unit switches the appliance driving unit into operation unit switches the appliance driving unit into operation mode and when the human presence sensors detect a human being during the standby time in standby mode the selection unit switches the appliance driving unit into operation unit does not switch the appliance driving unit into operation mode even when the h

No. of Pages : 31 No. of Claims : 4

(21) Application No.3850/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : STORAGE SERVICE PROVISION DEVICE, SYSTEM SERVICE PROVISION METHOD, AND SERVICE-PROVISION PROGRAM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> </ul>	:G06F12/00,G06F3/06,G06F13/10 :2010237828 :22/10/2010 :Japan	<ul> <li>(71)Name of Applicant :</li> <li>1)INTEC INC.</li> <li>Address of Applicant :5 5 Ushijimashin machi Toyama shi</li> <li>Toyama 9308577 Japan</li> <li>(72)Name of Inventor :</li> </ul>
No Filing Date (87) International Publication	:PCT/JP2011/005629 :06/10/2011 :WO 2012/053156	1)NAKAGAWA Ikuo
No (61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The purpose of the present invention is to make it possible to store a large number of files of various sizes using a large number of storage devices and to reduce the number of elements that act as single points of failure in the system. A storage service provision device (3) provides a service wherein files are stored using a plurality of storage devices (4) connected over a network. A file to be written is divided into one or more pieces of data and each piece of data (block object) constituting said file is imparted with object identifying information. Also information (a management information object) for reconstructing the file from the data in the block objects is created and imparted with object identifying information. Each block object and the management information object is then sent to and saved in a storage device (4) identified on the basis of the object identifying information for said object.

No. of Pages: 85 No. of Claims: 36

(21) Application No.2599/CHE/2013 A

## (19) INDIA

(22) Date of filing of Application :14/06/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : CRUDE CHEMICAL CRYSTALLIZER		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07C303/44 :201310174335.0 :13/05/2013 :China :NA :NA :NA : NA	(71)Name of Applicant :

#### (57) Abstract :

The invention provides a crude chemical crystallizer. Specifically, the invention provides a cylindrical crystallizer for the crystallization of a chemical product from a crude chemical solution, comprising: a vertical cylindrical crystallizer vessel with an inside wall, wherein the vessel has a vertical direction and a radial direction; a stirrer having an agitator shaft and agitator blades, wherein the agitator shaft is orientated in the vertical direction; vertically extending baffles, wherein the baffles are located between the agitator blades and the crystallizer inside wall; a feed pipe for introducing a stream comprising the crude chemical, comprising a first inlet pipe having an outlet which discharges into the vessel; and a second inlet pipe which discharges into the first inlet pipe, wherein the first inlet pipe is positioned within the crystallizer, the second inlet pipe is positioned outside the crystallizer, and the first inlet pipe are mounted in the vessel wall, wherein the outlet of the first inlet pipe is oriented away from the radial direction of the vessel.

No. of Pages : 26 No. of Claims : 33

(21) Application No.3836/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : MULTIMODAL TELEPHONE CALLS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:PCT/US2011/062169	<ul> <li>(71)Name of Applicant :</li> <li>1)MICROSOFT CORPORATION <ul> <li>Address of Applicant :One Microsoft Way Redmond</li> </ul> </li> <li>Washington 98052 6399 U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)SANA Bernardo S.P.</li> <li>2)VARKEY Mini M.</li> </ul> </li> </ul>
Filing Date	:26/11/2011	3)CARLOMAGNO Diego H.
(87) International Publication No	:WO 2012/078381	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract :

A method for establishing a multimodal telephone call is provided. On a first computing device a telephone call is received from a second computing device. On the first computing device a response is sent to the second computing device that a telephony session is established between the first computing device and the second computing device. On the first computing device a request message is sent to register the first computing device for a data session at an online registry service. On the first computing device a response message is received indicating that the first computing device is registered at the online registry service. The response message includes a key that uniquely identifies the data session. On the first computing device the key is used to establish the data session with the second computing device.

No. of Pages : 29 No. of Claims : 10

(21) Application No.3837/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : CODELESS SHARING OF SPREADSHEET OBJECTS

(51) International classification	:G06F17/21,G06F15/16,G06F3/048	(71)Name of Applicant : 1)MICROSOFT CORPORATION
	:12/964633	Address of Applicant : One Microsoft Way Redmond
(32) Priority Date	:09/12/2010	Washington 98052 6399 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No Filing Date	:PCT/US2011/062170 :26/11/2011	1)PARISH Daniel 2)BATTAGIN Daniel
(87) International Publication No	:WO 2012/078382	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A user interface that when selected triggers the automatic sharing of a spreadsheet object in a spreadsheet with a chosen network service (e.g. social network blog or some other network location). For example cells tables charts and other objects of the spreadsheet may be selected to be shared using the user interface. When a spreadsheet object is selected and indicated to be shared using the user interface the spreadsheet is automatically saved to a network share permissions are set for the spreadsheet to share the spreadsheet object is shared with the network service. Changes made to the spreadsheet after the spreadsheet object is shared are reflected in the spreadsheet object on the network service.

No. of Pages : 20 No. of Claims : 10

(21) Application No.3838/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : BATTERY TERMINAAL WITH CURRENT SENSOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Eiling Date</li> </ul>	:2010256500 :17/11/2010 :Japan :PCT/JP2011/076739 :15/11/2011 :WO 2012/067251 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)YAZAKI CORPORATION Address of Applicant :4 28 Mita 1 chome Minato ku Tokyo 1088333 Japan </li> <li>(72)Name of Inventor : 1)UEMATSU Satoshi </li> </ul>
Filing Date	:NA	

#### (57) Abstract :

There is provided a battery terminal with current sensor capable of preventing an integrated part by a resin molding from being separated. A battery terminal with current sensor includes: a battery terminal part (4) that is formed by a conductive metal plate and that includes a post part (6) to be connected to a battery post of a battery; a current sensor (5) that is integrated with the battery terminal part (4) by a resin molding and that includes a stud part (8) to be connected to a load; and a sensor part (7) that corresponds to an integrated part of the battery terminal part (4) and the current sensor (5). The sensor part (7) includes a penetration portion (27) having a hole or slit shape that is formed at a part to be resin molded of the battery terminal part (4) and a filling portion (30) that is formed at a resin molded part of the current sensor (5) and fills the penetration portion (27).

No. of Pages : 33 No. of Claims : 7

(21) Application No.1487/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :25/02/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : PROKARYOTIC EXPRESSION CONSTRUCT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	PCT/EP2011/064599 :25/08/2011 :WO 2012/028523 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)F. HOFFMANN LA ROCHE AG Address of Applicant :Grenzacher Strasse 124 CH 4070 Basel Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)GROSSMANN Adelbert</li> <li>2)HESSE Friederike</li> <li>3)KOPETZKI Erhard</li> <li>4)LAU Wilma</li> <li>5)SCHANTZ Christian</li> </ul>
(62) Divisional to Application Number Filing Date	<sup>h</sup> :NA :NA	

## (57) Abstract :

Herein is reported a pro polypeptide which is useful for the expression of a polypeptide of interest in a prokaryotic cell. Therefore the pro polypeptide is fused to the N terminus of the polypeptide of interest. The pro polypeptide as reported herein provides for improved expression yields and improves the handling of the fusion polypeptide (downstream processing purification). For example efficient endotoxin removal is effected while the protein of interest comprising the pro polypeptide is bound e.g. to an affinity chromatography material. Thereafter the pro polypeptide can efficiently be cleaved from the polypeptide of interest by the incorporated protease cleavage site with the cognate protease.

No. of Pages : 188 No. of Claims : 40

(21) Application No.2109/CHE/2013 A

## (19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : IMPROVED OIL PUMP FOR COLD STARTING AND HIGH ALTITUDE OPERATION OF AERO ENGINE FOR HELICOPTER APPLICATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)AERO ENGINE RESEARCH &amp; DESIGN CENTRE</li> <li>(AERDC) <ul> <li>Address of Applicant :SURANJANDAS ROAD, HAL C.V.</li> </ul> </li> <li>RAMAN NAGAR, POST, BANGALORE - 560 093 Karnataka</li> </ul>
Filing Date (87) International Publication No	:NA : NA	India (72) <b>Name of Inventor :</b>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	1)K. LINGAMOORTHY
<ul><li>(62) Divisional to Application Number</li><li>Filing Date</li></ul>	:NA :NA :NA	

(57) Abstract :

This invention relates to improved Oil Pump for cold starting and high altitude operation of Aero Engine for helicopter application. Thus in accordance with this invention the Oil Pump comprises of 3 sets of gerotor elements and supporting plates to pump the oil to lubricating circuit of the Aero Engine at different operating temperatures and altitude conditions. Very few engines are available in the market for high altitude and cold starting operation on the helicopter. Oil Pump is designed to deliver for consistency, durability and repeatability.

No. of Pages : 8 No. of Claims : 3

(21) Application No.3840/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : CLASSIFYING A CRITICALITY OF A SOFT ERROR AND MITIGATING THE SOFT ERROR BASED ON THE CRITICALITY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> </ul> </li> </ul>	:G06F11/10,H03K19/00 :12/950171 :19/11/2010 :U.S.A. :PCT/US2011/055593 :10/10/2011 :WO 2012/067733 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)XILINX INC. Address of Applicant :2100 Logic Drive San Jose CA 95124</li> <li>U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)RODRIGUEZ Alfred L.</li> <li>2)POSSLEY Nicholas J.</li> <li>3)BOSHEARS Kevin</li> <li>4)LESEA Austin H.</li> </ul>
Filing Date	:NA	5)HUSSEIN Jameel
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Methods and systems mitigate a soft error in an integrated circuit (200 302). A map (350 352) is stored (112) that specifies a criticality class for each storage bit (332 334) in the integrated circuit. A mitigation technique is associated with each criticality class. The soft error is detected (114) in a corrupted one of the storage bits. The mitigation technique is performed (116) that is associated with the criticality class specified in the map for the corrupted storage bit.

No. of Pages : 25 No. of Claims : 14

(21) Application No.3841/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SYSTEMS METHODS AND/OR DEVICES FOR PROVIDING LED LIGHTING

(51) International classification	:F21S4/00	(71)Name of Applicant :
(31) Priority Document No	:61/413995	1)PHOTON HOLDING LLC
(32) Priority Date	:16/11/2010	Address of Applicant :c/o Steven E. Hollingworth, Solomon
(32) None of priority country	:U.S.A.	Dwiggins & Freer Ltd., 9060 W. Cheyenne Avenue, Las Vegas,
(86) International Application No		Nevada 89129 USA U.S.A.
Filing Date	:16/11/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2012/068221	1)LANG Daniel Stewart
(61) Patent of Addition to Application		
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A lighting device comprising a plurality of LEDs; a plurality of optic devices corresponding to the plurality of LEDs; at least one optical separator for substantially preventing the light emitted from one LED from effecting the other LEDs; a thermoelectric device configured to harvest heat generated by the LEDs and convert the harvested heat into electrical energy; and a low temperature material for creating a temperature difference across the thermoelectric device.

No. of Pages : 48 No. of Claims : 8

(21) Application No.3842/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : PULL OUT GUIDE IN THE FORM OF A FULL-EXTENSION MECHANISM FOR A PULL-OUT PART OF A PIECE OF FURNITURE

(51) International classification	:A47B88/10	(71)Name of Applicant :
(31) Priority Document No	:10 2010 060 584.0	1)PAUL HETTICH GMBH & CO. KG
(32) Priority Date	:16/11/2010	Address of Applicant :Vahrenkampstrae 12 16 32278
(33) Name of priority country	:Germany	Kirchlengern Germany
(86) International Application No	:PCT/EP2011/069451	(72)Name of Inventor :
Filing Date	:04/11/2011	1)BABUCKE RUNTE Guido
(87) International Publication No	:WO 2012/065865	2)JOSTES Dirk
(61) Patent of Addition to Application	:NA	3)K,,THLER Andreas
Number	:NA :NA	4)MEYER Bernd
Filing Date	.11/2	5)HERZOG Roman
(62) Divisional to Application Number	:NA	6)LIMBERG Guido
Filing Date	:NA	

### (57) Abstract :

Pull out guide (1) in the form of a full extension mechanism for a pull out part of a piece of furniture comprising a guide rail (2) which can be fastened on the basic structure of a piece of furniture also comprising a running rail (3) which can be coupled to a pull out part and further comprising a central rail (4) which is arranged between the guide rail (2) and the running rail (3) increases the pull out length is guided in relation to the guide rail (2) and the running rail (3) by means of rolling bodies retained in rolling body cages (5) and consists of a shaped cross sectionally approximately C form profile of which the sidepieces (4a) are folded together in roof form in order to form running surfaces (4b) for the rolling bodies wherein the respectively free longitudinal edges (4c) of one of the running surfaces (4b) formed are otherwise fixed to the profile outside the running surfaces (4b).

No. of Pages : 16 No. of Claims : 10

(21) Application No.3853/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHODS FOR IMPARTING AN IMAGE TO A SURFACE AND KITS FOR USE THEREWITH

(51) International classification	:B44C1/22,B05D1/32,B44C1/16	
(31) Priority Document No	:61/415274	1)3M INNOVATIVE PROPERTIES COMPANY
(32) Priority Date	:18/11/2010	Address of Applicant :3M Center Post Office Box 33427 Saint
(33) Name of priority country	:U.S.A.	Paul Minnesota 55133 3427 U.S.A.
(86) International Application N	o:PCT/US2011/060108	(72)Name of Inventor :
Filing Date	:10/11/2011	1)JANSSEN Jeffrey R.
(87) International Publication No	o :WO 2012/082269	2)GRAHAM Paul D.
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application	:NA	
Number		
Filing Date	:NA	

#### (57) Abstract :

Methods for imparting an image to a painted exterior surface on a motor vehicle and kits for use in such methods are described. The methods include applying a mask to an outer clearcoat layer of the painted exterior surface the mask having a masked portion that covers part of the clearcoat layer and an open portion that leaves part of the clear coat layer exposed the masked and open portions cooperating to define the image abrading the exposed part of the clearcoat layer to provide it with a matte finish and removing the mask to reveal an image having a matte finish region and an unabraded region. The clearcoat layer in the matte finish region of the image is capable of being provided with a surface gloss appearance that is consistent with the surface gloss appearance of the clearcoat layer in the unabraded region of the image and without painting the surface of the motor vehicle. The kits comprise a mask that is adapted to be removably attached to the outer clearcoat layer and an unabraded region and an unabraded region and one or more materials that may be used to provide the outer clearcoat layer in the matte finish region of the image with a surface gloss appearance that is consistent with the surface gloss appearance that is consistent with the surface gloss appearance of the outer clearcoat layer in the unabraded region and an unabraded region and one or more materials that may be used to provide the outer clearcoat layer in the unabraded region of the image size appearance of the clearcoat layer in the matte finish region of the image with a surface gloss appearance that is consistent with the surface gloss appearance that is consistent with the surface gloss appearance of the clearcoat layer in the unabraded region of the image.

No. of Pages : 42 No. of Claims : 33

#### (21) Application No.3854/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : ACCELERAT	TION PROTECTION SU	IT
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:B64D10/00 :1948/2010 :19/11/2010 :Switzerland :PCT/EP2011/070433 :18/11/2011 :WO 2012/066114	<ul> <li>(71)Name of Applicant :</li> <li>1)G NIUS LTD. Address of Applicant :492 Airport Road Aeromedical Centre Singapore 539945 Singapore</li> <li>(72)Name of Inventor :</li> <li>1)REINHARD Andreas</li> </ul>
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

#### (57) Abstract :

The suit according to the invention consists of a sheath of a sparingly expansible textile material. This sheath has fastened in it and on it by sewing or adhesive bonding or welding compartments which are formed by virtue of the sheath being doubled in that a strip of textile material is applied to the inside or in the second case to the outside of the sheath and therefore it is connected to the sheath if only along its periphery. These compartments likewise consist of textile materials in the first case of the same material as the sheath and in the second case of an expansible knitted fabric. Flexible tubes for example made of an elastomer which expand under pressure are introduced into these compartments. The first mentioned compartments (9) with textile material which can expand on one side act as so called spacers and act as displacers for tightening the protective suit over the topography of the individual wearer s body. The second mentioned compartments (10) act as so called muscles and press locally onto the wearer s body. The compartments (10) thus tighten the sheath and generate an altitude optimized pressure. These second mentioned compartments (10) thus tighten the acceleration protection suit to an increasing extent until the tension s around the wearer s body builds up the internal pressure which is necessary at the current time. This protective suit has a reliable altitude protection function provides optimum G force protection can be ventilated for cooling purposes and provides additional buoyancy when immersed in water.

No. of Pages : 27 No. of Claims : 13

(21) Application No.3855/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :15/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : ISOMERISATION CATALYST PREPARATION PROCESS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	<ul> <li>B01J23/42,B01J37/02,B01J29/74</li> <li>10191702.9</li> <li>18/11/2010</li> <li>EPO</li> <li>PCT/EP2011/070193</li> <li>16/11/2011</li> <li>:WO 2012/066012</li> <li>:NA</li> <li>:NA</li> <li>:NA</li> </ul>	<ul> <li>(71)Name of Applicant : <ol> <li>SHELL INTERNATIONALE RESEARCH</li> </ol> </li> <li>MAATSCHAPPIJ B.V. <ul> <li>Address of Applicant :Carel van Bylandtlaan 30 NL 2596 HR</li> </ul> </li> <li>The Hague Netherlands</li> <li>(72)Name of Inventor : <ul> <li>NENU Nicoleta Cristina</li> <li>PELGRIM Bart</li> </ul> </li> </ul>
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(57) Abstract :

A process for preparing an alkylaromatics isomerisation catalyst comprising at least 0.01 % wt of platinum on a carrier comprising of from 1 to 9 wt% of ZSM 12 and inorganic binder which process comprises treating the carrier with an impregnation solution comprising a cationic platinum compound and having a pH of more than 9 and subsequently drying and calcining the impregnated carrier at a temperature of from 200 to 420 °C; and a process for the isomerisation of alkylaromatics with the help of catalyst thus obtained.

No. of Pages : 19 No. of Claims : 8

(21) Application No.1337/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :19/02/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : AN IMPROVEMENT OF A SUPPORTING STRUCTURE FOR AN ANTI NOISE BARRIER WHEREIN FOUNDATIONS AND LIFTING POST ARE REALIZED IN A SINGLE ELEMENT AND RELATIVE ASSEMBLY METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:NA :NA :NA :PCT/IT2010/000359 :06/08/2010 :WO 2012/017460 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)URBANTECH S.R.L. Address of Applicant : Via Lombardia n. 26 Zona Industriale Gello I 56025 Pontedera (PI) Italy</li> <li>(72)Name of Inventor :</li> <li>1)TIZZONI Giampaolo</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The present invention concerns a supporting structure (1) for an anti noise barrier  $(20\ 21)$  and relative assembly method. In accordance with the invention the foundation and the structural post of the barrier are a single continuous piece in the shape of a sheet pile (2). The sheet pile comprises a first part (2) and a second part (2) of such a length that in use the second part (2) results insertable on the ground (50) to realize the foundation while contextually the first part (2) results emerging from the ground upwards. The first part of the sheet pile (2) besides is provided with connection means  $(4\ 5)$  through which to be able to connect the sound absorbent panels (6) and with a plate (3) on which to lean the panels themselves in such a way that the arrangement on the ground of the foundation and of the structural post results realizable in a single phase to then proceed with the second phase of application of the panels.

No. of Pages : 20 No. of Claims : 12

(21) Application No.1451/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :22/02/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : ANTI VIRAL AZIDE CONTAINING COMPOUNDS

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li></ul>	:61/368558	<ul> <li>(71)Name of Applicant :</li> <li>1)LIFE TECHNOLOGIES CORPORATION Address of Applicant :5791 Van Allen Way Carlsbad CA</li> </ul>
<ul><li>(32) Priority Date</li><li>(33) Name of priority</li><li>country</li></ul>	:28/07/2010 :U.S.A.	92008 U.S.A. (72)Name of Inventor : 1)AGNEW Brian
(86) International Application No Filing Date	:PCT/US2011/045726 :28/07/2011	2)SINGH Upinder 3)GRECIAN Scott
(87) International Publication No	:WO 2012/016044	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Methods of using azide modified biomolecules such as fatty acids carbohydrates and lipids to treat a plant an insect or an animal infected with a virus or to inhibit infectivity of a virus such as the human immunodeficiency virus are provided. Also provided are methods of labeling a virus such as human immunodeficiency virus with an azide modified biomolecule such as a fatty acid a carbohydrate or an isoprenoid lipid. Also provided are methods of tracking a virus in vivo with an azide modified biomolecule such as a fatty acid a carbohydrate or an isoprenoid lipid. The azide modified biomolecules may be combined with a pharmaceutically acceptable excipient to produce a pharmaceutical composition optionally containing another anti viral agent and/or a delivery agent such as a liposome.

No. of Pages : 53 No. of Claims : 25

(21) Application No.3962/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PANEL SHAPED CONSTRUCTION ELEMENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:10 2010 062 061.0 :26/11/2010 :Germany	<ul> <li>(71)Name of Applicant :</li> <li>1)WACKER CHEMIE AG Address of Applicant :Hanns Seidel Platz 4 D 81737</li> <li>Mt/anchen Germany</li> <li>(72)Name of Inventor :</li> <li>1)BONIN Klaus</li> <li>2)MAYER Theo</li> <li>3)SELIG Manfred</li> </ul>
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(57) Abstract :

The invention relates to construction elements obtained by attaching reinforcement to insulation panels by means of adhesive that contains one or more mineral binders and/or one or more polymer binders and one or more optional fillers one or more optional admixtures and one or more additives the reinforcement being partially but not entirely embedded in the adhesive.

No. of Pages : 33 No. of Claims : 11

(21) Application No.3963/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : SIGNAL PROCESSING DEVICE SIGNAL PROCESSING METHOD SIGNAL PROCESSING PROGRAM AND DISPLAY DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication N</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:2010267697 :30/11/2010 :Japan :PCT/JP2011/077326 :28/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)Sharp Kabushiki Kaisha Address of Applicant :22 22 Nagaike cho Abeno ku Osaka shi Osaka 5458522 Japan</li> <li>(72)Name of Inventor :</li> <li>1)MURAHASHI Yoshimitsu</li> <li>2)GOHSHI Seiichi</li> <li>3)NUMAO Takaji</li> <li>4)SAWADA Daiji</li> </ul>
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(57) Abstract :

Provided is a signal processing device characterized by comprising: a pixel interval determination unit that determines based on data relating to the resolution of input signals the pixel interval to at least one comparison signal that is one of the input signals and differs from a target signal; and a noise reduction unit that reduces noise components from the target signal based on the target signal and at least one comparison signal.

No. of Pages : 83 No. of Claims : 14

(21) Application No.3964/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ELECTRONIC DEVICE

(51) Internetional alersification	COCE2/041 COCE2/049 HOANS/00	(71)Nome of Ameliant.
	:G06F3/041,G06F3/048,H04N5/00	
(31) Priority Document No	:2010242477	1)Sharp Kabushiki Kaisha
(32) Priority Date	:28/10/2010	Address of Applicant :22 22 Nagaike cho Abeno ku Osaka Shi
(33) Name of priority country	:Japan	Osaka 5458522 Japan
(86) International Application	:PCT/JP2011/074620	(72)Name of Inventor :
No	:26/10/2011	1)YARITA Takeshi
Filing Date	.20/10/2011	2)SATO Keiichiro
(87) International Publication	:WO 2012/057179	3)SHIMIZU Takamasa
No	. WO 2012/03/11/9	4)ITO Hiromichi
(61) Patent of Addition to	:NA	
Application Number		
Filing Date	:NA	
(62) Divisional to Application	- NT A	
Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

TO PROVIDE AN ELECTRONIC DEVICE WHICH CAN IN OPERATING THE ELECTRONIC DEVICE USING A REMOTE CONTROL (ESPECIALLY A TOUCH SCREEN REMOTE CONTROL) IDENTIFY THE CONTENT OF OPERATION BY ADDING AN INTERPRETATION ON THE BASIS OF RULES HELD OUTSIDE OF THE REMOTE CONTROL INSTEAD OF UNIQUELY IDENTIFYING THE CONTENT OF OPERATION BY A TRANSMISSION SIGNAL FROM THE REMOTE CONTROL. [SOLUTION] PROVIDED IS AN ELECTRONIC DEVICE WHICH HAS DISPLAY OUTPUT MEANS MEANS FOR ACQUIRING GESTURE INFORMATION WHICH IS INFORMATION INDICATING SUCH MOTION AS OF A FINGER OF A USER FROM THE REMOTE CONTROL MEANS FOR ACQUIRING DEVICE STATUS INFORMATION WHICH IS INFORMATION FOR DISTINGUISHING DEVICE STATE BY WAY OF A PLURALITY OF COMBINATIONS OF OPERATIONS WHICH ARE ALLOWED FOR THE USER MEANS FOR HOLDING INTERPRETATION INFORMATION FOR INTERPRETING WHETHER THE GESTURE INFORMATION TO ACQUIRE ACCORDING TO THE DEVICE STATUS INFORMATION IS AN INSTRUCTION CORRESPONDING TO ANY OF THE ALLOWED OPERATIONS MEANS FOR ACQUIRING A DEVICE OPERATION INSTRUCTION USING THE INTERPRETATION INFORMATION BASED ON THE ACQUIRED GESTURE INFORMATION AND THE ACQUIRED DEVICE STATUS INFORMATION AND MEANS FOR ACQUIRED GESTURE INFORMATION INSTRUCTION USING THE INTERPRETATION INFORMATION BASED ON THE ACQUIRED GESTURE INFORMATION AND THE ACQUIRED DEVICE STATUS INFORMATION AND MEANS FOR EXECUTING THE ACQUIRED DEVICE OPERATION INSTRUCTION.

No. of Pages : 48 No. of Claims : 8

(21) Application No.3882/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : SIGNALING TO PROTECT ADVANCED RECEIVER PERFORMANCE IN WIRELESS LOCAL AREA NETWORKS (LANS)

(51) International classification	:H04B//06,H04B//04	(71)Name of Applicant :
(31) Priority Document No	:61/420199	1)QUALCOMM INCORPORATED
(32) Priority Date	:06/12/2010	Address of Applicant : ATTN: International IP Administration
(33) Name of priority country	:U.S.A.	5775 Morehouse Drive San Diego CA 92121 1714 U.S.A.
(86) International Application No	:PCT/US2011/063585	(72)Name of Inventor :
Filing Date	:06/12/2011	1)VERMANI Sameer
(87) International Publication No	:WO 2012/078666	2)VAN ZELST Albert
(61) Patent of Addition to Application	:NA	3)SAMPATH Hemanth
Number		4)VAN NEE Didier Johannes Richard
Filing Date	:NA	5)ABRAHAM Santosh Paul.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Certain aspects of the present disclosure relate to techniques that may be used to help control aspects of beamforming by a beamformee. According to certain aspects a beamformee may be able to signal to a beamformer a maximum number of transmit spatial streams to use for single user beamformed transmissions.

No. of Pages : 32 No. of Claims : 42

(21) Application No.3966/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : CONNECTION STRUCTURE OF ELECTRIC WIRE AND TERMINAL AND MANUFACTURING METHOD THEREOF

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:H01R4/18,H01R4/62,H01R43/00 :2010263601 :26/11/2010 :Japan	<ul> <li>(71)Name of Applicant :</li> <li>1)YAZAKI CORPORATION Address of Applicant :4 28 Mita 1 chome Minato ku Tokyo 1088333 Japan</li> </ul>
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:PCT/JP2011/077871 :25/11/2011 :WO 2012/070691	<ul> <li>(72)Name of Inventor :</li> <li>1)TANAKA Shinya</li> <li>2)HANAZAKI Hisashi</li> <li>3)KITAGAWA Hironori</li> </ul>
No (61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

In a connection structure 1 of an electric wire and a terminal having the electric wire 10 having an insulating coated part 11 in which a conductor part 12b is covered with an insulating material 11a and a conductor exposed part 12 in which the insulating material 11a of an end of the electric wire 10 is removed and the terminal 20 including a first crimp part 31 crimped to the insulating coated part 11 and a second crimp part 32 crimped to the conductor exposed part 12 the structure 1 has a seal part 60 which is made of thermoplastic elastomer and covers a surface including the first crimp part 31 and the insulating coated part 11 of a side extending from the first crimp part 31 toward a direction opposite to an end of the electric wire 10 and a surface of the second crimp part 32 in an extension direction of the electric wire 10 and an outer periphery of the electric wire 10 is seamlessly covered with the seal part 60 when viewed in a cross section orthogonal to the extension direction of the electric wire.

No. of Pages : 69 No. of Claims : 11

(21) Application No.3967/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : PROCESS FOR CRACKING HEAVY HYDROCARBON FEED

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li></ul>	:C10G9/36,C10G47/00,C10G45/00 :12/952592	<ul> <li>(71)Name of Applicant :</li> <li>1)EQUISTAR CHEMICALS LP Address of Applicant :1221 Mckinney Street Suite 700 One</li> </ul>
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:23/11/2010	Houston Center Houston TX 77010 U.S.A. (72) <b>Name of Inventor :</b>
(86) International Application No Filing Date	:PCT/US2011/061418 :18/11/2011	1)BRIDGES Robert S. 2)CHELLAPPAN Sellamuthu G.
(87) International Publication No	:WO 2012/071274	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A process for cracking a heavy hydrocarbon feed comprising a vaporization step a hydroprocessing step and a steam cracking step is disclosed. The heavy hydrocarbon feed is passed to a first zone of a vaporization unit to separate a first vapor stream and a first liquid stream. The first liquid stream is passed to a second zone of the vaporization unit and contacted intimately with a counter current steam produce a second vapor stream and a second liquid stream. The first vapor stream and the second vapor stream are cracked in the radiant section of the steam cracker to produce a cracked effluent. The second liquid stream reacted with hydrogen in the presence of a catalyst to produce a hydroprocessed product. A liquid hydroprocessed product is fed to the vaporization unit.

No. of Pages : 18 No. of Claims : 9

(21) Application No.3968/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : INTEGRATED PROCESS FOR PRODUCING CALCITE AND BIOMASS USING CYANOBACTERIA FOR THE UTILIZATION OF CO2 FOR ENERGY PURPOSES AND THE MINERAL SEQUESTRATION OF CO2

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application</li> <li>Number Filing Date</li> </ul>	:PCT/FR2011/000579 :27/10/2011 :WO 2012/056126 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)IFP ENERGIES NOUVELLES Address of Applicant :1 et 4 avenue de Bois Prau F 92852</li> <li>Rueil Malmaison Cedex France</li> <li>(72)Name of Inventor :</li> <li>1)BLANCHET Denis</li> <li>2)HAESELER Frank</li> <li>3)LI Lun</li> <li>4)DROMART Gilles</li> <li>5)OGER Philippe</li> </ul>
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(57) Abstract :

The invention relates to a process for the biological capture of CO2 comprising the implementation of a photosynthesis reaction using cyanobacteria on hydrogen carbonate ions of a carbonate system comprising calcium enabling the production of biomass and calcite (CaCO3). The invention enables utilization of CO2 for energy purposes and mineral sequestration of CO2.

No. of Pages : 33 No. of Claims : 17

(21) Application No.3969/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : PROCESS FOR CRACKING HEAVY HYDROCARBON FEED

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li></ul>	:C10G9/36,C10G47/00,C10G45/00 :12/952662	<ul> <li>(71)Name of Applicant :</li> <li>1)EQUISTAR CHEMICALS LP Address of Applicant :1221 McKinney Street Suite 700 One</li> </ul>
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:23/11/2010 :U.S.A.	Houston Center Houston TX 77010 U.S.A. (72) <b>Name of Inventor :</b>
(86) International Application No Filing Date		1)BRIDGES Robert S. 2)CHELLAPPAN Sellamuthu G.
(87) International Publication No	:WO 2012/071327	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A process for cracking a heavy hydrocarbon feed comprising a vaporization step a coking step a hydroprocessing step and a steam cracking step is disclosed. The heavy hydrocarbon feed is passed to a first zone of a vaporization unit to separate a first vapor stream and a first liquid stream. The first liquid stream is passed to a second zone of the vaporization unit and contacted intimately with a counter current steam produce a second vapor stream and a second liquid stream. The first vapor stream and the second vapor stream are cracked in the radiant section of the steam cracker to produce a cracked effluent. The second liquid stream is thermally cracked in a coking drum to produce a coker effluent and coke. The coker effluent is separated into a coker gas and a coker liquid. The coker liquid is reacted with hydrogen in the presence of a catalyst to produce a hyd reprocessed product. The hydroprocessed product is separated into a gas product and a liquid product. The liquid product is fed to the vaporization unit.

No. of Pages : 21 No. of Claims : 11

(21) Application No.1100/CHE/2013 A

#### (19) INDIA

(22) Date of filing of Application :14/03/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : SELECTIVE ELECTROCHEMICAL RECOGNITION OF A-NAPHTHOL ISOMER AND IN-SITU IMMOBILIZATION OF NAPHTHOQUINONES ON MULTIWALLED CARBON NANOTUBE MODIFIED ELECTRODE FOR TUNABLE ELECTROCATALYSIS

(51) International classification	:G01N	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ANNAMALAI SENTHIL KUMAR
(32) Priority Date	:NA	Address of Applicant :TT-525, ENVIRONMENTAL AND
(33) Name of priority country	:NA	ANALYTICAL CHEMISTRY DIVISION, SCHOOL OF
(86) International Application No	:NA	ADVANCED SCIENCES, VIT UNIVERSITY, VELLORE - 632
Filing Date	:NA	014 Tamil Nadu India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)ANNAMALAI SENTHIL KUMAR
Filing Date	:NA	2)PUCHAKAYALA SWETHA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

We claim the selective electrochemical recognition of the alpha naphthol isomer in presence of beta naphthol by carbon nanotubes, such as multiwalled carbon nanotube of pristine, purified and functionalized and singled walled, modified glassy carbon and gold electrodes in aqueous solution. We claim electrode potential -0.6 V to 0.2 vs Ag/AgCl as the optimal window, for electrochemical oxidation of alpha naphthol on the multiwalled carbon nanotube modified electrode in the rage of pH 3-11.

No. of Pages : 22 No. of Claims : 5

(21) Application No.1230/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :14/02/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : BORON COMPOUND SUSPENSION

(51) International		(71)Nome of Applicant
(51) International classification	:C09J103/02,C09J129/04,B27K3/16	(71)Name of Applicant : 1)C IP S.A.
	10170107.0	
	:10170187.8	Address of Applicant :16 Avenue Pasteur L 2310 Luxembourg
(32) Priority Date	:20/07/2010	Luxembourg
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International Application	DCT/ID2011/052210	1)CEULEMANS Philippe
		2)CEULEMANS Olivier
Filing Date	:19/07/2011	, ,
(87) International Publication	:WO 2012/011056	
No	. WO 2012/011050	
(61) Patent of Addition to		
Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application	I.NTA	
Number		
Filing Date	:NA	

(57) Abstract :

The present invention relates to a suspension of a boron containing compound in the form of crystals powder or granulate in a solvent which contains a carbomer as dispersant. This suspension is very stable even at high concentrations and exhibits favourable non Newtonian viscosity behaviour which makes it suitable in a number of applications such as for the control of fission reactions with the generation of electric power from nuclear energy.

No. of Pages : 27 No. of Claims : 15

(21) Application No.138/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :07/01/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : NOVEL AURISTATIN DERIVATIVES AND USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> </ul>	:A01K36/08,C07K7/02 :10165550.4 :10/06/2010 :EPO :PCT/EP2011/059300 :06/06/2011 :WO 2011/154359 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant :Alfred Nobel Strasse 10 40789</li> <li>Monheim Germany</li> <li>(72)Name of Inventor :</li> <li>1)LERCHEN Hans Georg</li> <li>2)STELTE LUDWIG Beatrix</li> <li>3)GOLFIER Sven</li> <li>4)SCHUHMACHER Joachim</li> <li>5)KRENZ Ursula</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to novel derivatives of monomethyl auristatin F to methods for producing said derivatives to the use of said derivatives to treat and/or prevent illnesses and to the use of said derivatives to produce drugs for treating and/or preventing illnesses in particular hyperproliferative and/or angiogenic diseases such as cancer diseases. Such treatments can occur as monotherapy or in combination with other drugs or further therapeutic measures.

No. of Pages : 114 No. of Claims : 12

(21) Application No.3980/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : CUBE CORNERED RETROREFLECTIVE SHEET

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G02B5/124,E01F9/015 :2010243092 :29/10/2010 :Japan :PCT/JP2011/074882 :27/10/2011 :WO 2012/057295 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)NIPPON CARBIDE INDUSTRIES CO. INC. Address of Applicant :11 19 Konan 2 chome Minato ku Tokyo 1088466 Japan</li> <li>(72)Name of Inventor :</li> <li>1)MIMURA Ikuo</li> </ul>
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(57) Abstract :

An objective is to provide a cube cornered retroreflective sheet which may be treated as having superior design while also having superior angle of rotation characteristics. Provided is a cube cornered retroreflective sheet (3) wherein each respective cube cornered retroreflective element in at least two mutually adjacent regions (A B) mutually rotate with an axis which is orthogonal to the sheet being treated as a center thereof; cube cornered retroreflective elements (11 12) which do not abut the boundary of the respective regions (A B) are treated as having hexagonal exterior shapes; cube cornered retroreflective elements (11s 12s 11t 12t) which do abut the boundary of the respective regions (A B) are treated as having a shape wherein a portion of either one or two reflector side faces in the cube cornered retroreflective elements with hexagonal exterior shapes is cut off; and the reflective side face portion the portion whereof has been cut off abuts the boundary.

No. of Pages : 73 No. of Claims : 13

(21) Application No.3981/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : INPUT DEVICE AND CONTROL METHOD OF INPUT DEVICE

(51) International classification	:G06F3/023,G06F3/041,H03M11/04	(71)Name of Applicant : 1)NEC CORPORATION
(31) Priority Document No	:2010261060	Address of Applicant :7 1Shiba 5 chome Minato ku Tokyo
(32) Priority Date	:24/11/2010	1088001 Japan
(33) Name of priority country	y:Japan	(72)Name of Inventor :
(86) International	:PCT/JP2011/077440	1)OGA Toshiyuki
Application No	:22/11/2011	
Filing Date		
(87) International Publication No	<sup>1</sup> :WO 2012/070682	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention is an input device of an information processing device having a touch sensor which has recognition means which detects that a touch has been made by a finger detected by a touch sensor and recognizes position information of the finger and control means for setting a virtual keyboard on the basis of the position information.

No. of Pages : 43 No. of Claims : 10

(21) Application No.1312/CHE/2013 A

#### (19) INDIA

(22) Date of filing of Application :26/03/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : FRONT HOOK FOR HOLDING AVIONIC EQUIPMENT IN THE MOUNTING TRAY :B64C (71)Name of Applicant : (51) International classification (31) Priority Document No :NA 1)SLRDC, HAL (32) Priority Date :NA Address of Applicant :AGM(D), SLRDC, HINDUSTAN (33) Name of priority country :NA AERONAUTICS LIMITED, AVIONICS DIVISION, (86) International Application No :NA BALANAGAR, HYDERABAD - 500 042 Andhra Pradesh India Filing Date (72)Name of Inventor : :NA (87) International Publication No : NA 1)KATIKALA RAVI KUMAR (61) Patent of Addition to Application Number 2)RAJESWARA RAO METTA :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The Avionic equipment must be hold tightly in the mounting tray when it is subject to high levels of vibration during flight and take off. Similarly while maneuvering and landing of the aircraft it subjects to the high acceleration and shock loads. Our objective is design the hook in such a way that it will withstand and hold the avionic equipment firmly in the mounting tray in such adverse conditions also. Apart from the design consideration manufacturing of the hook is also unique in process to reduce the manufacturing time.

No. of Pages : 9 No. of Claims : 4

N (21) Application No.1313/CHE/2013 A

#### (19) INDIA

(22) Date of filing of Application :26/03/2013

#### (43) Publication Date : 21/11/2014

### (54) Title of the invention : COCKPIT DISPLAY & WARNING PANEL (SUPER SANDWICHING OF MONOLITHIC METAL FRAME, ACRYLIC FILTERS, POLYCARBONATE LIGHT BARS & LEDS BACK LIGHT SOURCE)

(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)SLRDC, HAL
(32) Priority Date	:NA	Address of Applicant :MR. T.N. ANATHA KRISHNAN,
(33) Name of priority country		AGM(D), SLRDC, HINDUSTAN AERONAUTICS LIMITED,
(86) International Application No	:NA	AVIONICS DIVISION, BALANAGAR, HYDERABAD - 500
Filing Date	:NA	042 Andhra Pradesh India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)PURUSHOTHAM BHUPATHI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The Cockpit Display & Warning Panel is developed by Super Sandwiching of Acrylic Sunlight Readability Filter, Polycarbonate Light Bars, Monolithic Metal Frame, Metal Housing and Back Light Source(Ref Figure 3). The Light Bars are customized to accommodate various warnings/ cautions and be replaced at any point of time as per the field requirement. The panel is airworthy with light transmittance of about 87%.

No. of Pages : 8 No. of Claims : 5

(21) Application No.1416/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :21/02/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : BISPECIFIC ANTIBODIES COMPRISING A DISULFIDE STABILIZED FV FRAGMENT

<ul> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International</li> <li>Application No Filing Date</li> <li>(87) International Publication</li> </ul>	:PCT/EP2011/064476 :23/08/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)F. HOFFMANN LA ROCHE AG Address of Applicant :Grenzacher Strasse 124 CH 4070 Basel Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)BRINKMANN Ulrich</li> <li>2)HAAS Alexander</li> <li>3)METZ Silke</li> <li>4)SCHANZER Juergen Michael</li> </ul>
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

(57) Abstract :

The present invention relates to bispecific antibodies methods for their production pharmaceutical compositions containing said antibodies and uses thereof.

No. of Pages : 157 No. of Claims : 18

#### (19) INDIA

(22) Date of filing of Application :14/05/2013

(21) Application No.2137/CHE/2013 A

(43) Publication Date : 21/11/2014

(54) Title of the invention : COMPOSITIONS OF IMATINIB		
(51) International classification	:A61K9/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)HETERO RESEARCH FOUNDATION
(32) Priority Date	:NA	Address of Applicant :HETERO DRUGS LIMITED,
(33) Name of priority country	:NA	HETERO CORPORATE, 7-2-A2, INDUSTRIAL ESTATES,
(86) International Application No	:NA	SANATH NAGER, HYDERABAD- 500 082 Andhra Pradesh
Filing Date	:NA	India
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)PARTHASARADHI REDDY, BANDI
Filing Date	:NA	2)KHADGAPATHI, PODILI
(62) Divisional to Application Number	:NA	3)KAMALAKAR REDDY, GOLI
Filing Date	:NA	4)KIRAN KUMAR, MADALLAPALLI

(57) Abstract :

The present invention relates to pharmaceutically acceptable compositions comprising imatinib, preferably imatinib mesylate with polymorphic stability and processes for the preparation thereof are disclosed.

No. of Pages : 15 No. of Claims : 15

(21) Application No.3983/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :21/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : FILOVIRUS FUSION PROTEINS AND THEIR USES

	:PCT/US2011/058418 :28/10/2011 <sup>1</sup> :WO 2012/154203 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)THE GOVERNMENT OF THE UNITED STATES OF</li> <li>AMERICA AS REPRESENTED BY THE SECRETARY OF</li> <li>THE DEPARTMENT OF HEALTH AND HUMAN</li> <li>SERVICES</li> <li>Address of Applicant :6011 Executive Boulevard Suite 325</li> <li>Rockville Maryland 20852 3804 U.S.A.</li> <li>2)U.S. ARMY MEDICAL RESEARCH INSTITUTE OF</li> <li>INFECTIOUS DISEASES`</li> <li>(72)Name of Inventor :</li> <li>1)KAPLAN Gerardo</li> <li>2)KONDURU Krishnamurthy</li> </ul>
Filing Date (62) Divisional to Application Number	:NA :NA :NA	3)JACQUES Jerome 4)BAVARI Sina 5)BRADFUTE Steven
Filing Date	.110	

(57) Abstract :

This invention provides fusion proteins comprising a Filovirus glycoprotein segment and an immunoglobulin polypeptide segment. The fusion proteins are useful in immunogenic compositions to protect against infections by Filoviruses such as Ebola virus in both humans and non human animals. The fusion proteins are also useful in diagnostic assays to detect Filovirus infections.

No. of Pages : 61 No. of Claims : 35

(21) Application No.3986/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :21/05/2013

#### (43) Publication Date : 21/11/2014

### (54) Title of the invention : COPOLYMERS COMPRISING CARBOXYLIC ACID GROUPS SULPHO GROUPS AND POLYALKYLENE OXIDE GROUPS AS A SCALE INHIBITING ADDITIVE TO WASHING AND CLEANING PRODUCTS

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C08F216/14,C08F220/04,C08F228/02 p:10192171.6 :23/11/2010	<ul> <li>(71)Name of Applicant :</li> <li>1)BASF SE Address of Applicant :67056 Ludwigshafen Germany</li> <li>2)HENKEL AG &amp; CO. KGAA</li> </ul>
(33) Name of priority country	:EPO	(72)Name of Inventor : 1)DETERING J <sup>1</sup> / <sub>4</sub> rgen
(86) International Application No Filing Date	:PCT/EP2011/070616 :22/11/2011	2)URTEL Bolette 3)WEBER Heike 4)ETTL Roland
(87) International Publication No	:WO 2012/069440	5)G,,DT Torben 6)HEINTZ Ewald
(61) Patent of Addition to Application Number Filing Date	:NA :NA	7)BASTIGKEIT Thorsten 8)EITING Thomas 9)SENDOR MLLER Dorota
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

COPOLYMERS WHICH COMPRISE IN COPOLYMERIZED FORM A1) 30 TO 90% BY WEIGHT OF AT LEAST ONE MONOETHYLENICALLY UNSATURATED C C CARBOXYLIC ACID OR OF AN ANHYDRIDE OR WATER SOLUBLE SALT THEREOF A2) 3 TO 60% BY WEIGHT OF AT LEAST ONE MONOMER COMPRISING SULPHO GROUPS A3) 3 TO 60% BY WEIGHT OF AT LEAST ONE NONIONIC MONOMER OF THE FORMULA (I) HC=C(R)COO [R O] R (I) IN WHICH R IS HYDROGEN OR METHYL R ARE IDENTICAL OR DIFFERENT LINEAR OR BRANCHED C C ALKYLENE RADICALS WHICH MAY BE ARRANGED IN BLOCKS OR RANDOMLY AND R IS HYDROGEN OR A STRAIGHT CHAIN OR BRANCHED C C ALKYL RADICAL AND O IS A NATURAL NUMBER FROM 3 TO 50 A4) 0 TO 30% BY WEIGHT OF ONE OR MORE FURTHER ETHYLENICALLY UNSATURATED MONOMERS WHICH ARE POLYMERIZABLE WITH A1) A2) AND A3) WHERE THE SUM OF A1) A2) A3) AND A4) ADDS UP TO 100% BY WEIGHT.

No. of Pages : 29 No. of Claims : 13

#### (19) INDIA

#### (22) Date of filing of Application :14/03/2013

#### (21) Application No.1096/CHE/2013 A

(43) Publication Date : 21/11/2014

### (54) Title of the invention : DESIGNING AND FABRICATION OF INLAND RACEWAYS FOR INTENSIVE REARING OF ORNAMENTAL FISHES

	4.0.117	
(51) International classification	:A01K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TAMILNADU VERTERINARY AND ANIMAL
(32) Priority Date	:NA	SCIENCES UNIVERSITY
(33) Name of priority country	:NA	Address of Applicant :MADHAVARAM MILK COLONY,
(86) International Application No	:NA	CHENNAI 600 051 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)DR. S. FELIX
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An inland raceway system for intensive rearing of ornamental fishes comprising one or more raceway tanks (2) with rounded corners made up of cement concrete within a greenhouse enclosure (1) and inside of the tank is lined with nylon fabric sheet, and the outlet of the raceway tank is connected to a harvesting tank of smaller size; a pressure sand filter for filtering seawater; an ultraviolet radiator for sterilizing the filtered water to be supplied to raceways and airlift pumps for supplying air to the raceways.

No. of Pages : 8 No. of Claims : 2

(21) Application No.175/CHE/2013 A

#### (19) INDIA

(22) Date of filing of Application :11/01/2013

(54) Title of the invention : INTELLIGENT RECIPROCATING MULTI CYCLE ENGINE

(43) Publication Date : 21/11/2014

(51) International classification	:F02B	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ELLUPURAYIL BALACHANDRAN BINESH
(32) Priority Date	:NA	Address of Applicant :SREYAS VIDYANAGAR,
(33) Name of priority country	:NA	KADAVANTHRA, KOCHI ERNAKULAM - 682 020 Kerala
(86) International Application No	:NA	India
Filing Date	:NA	2)CHANAYIL CLEETUS ANIL
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)ELLUPURAYIL BALACHANDRAN BINESH
Filing Date	:NA	2)CHANAYIL CLEETUS ANIL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to intelligent reciprocating mutti cyde engine which will have Ability to combine working of both six stroke engine as well as four stroke engine technologies in the same cylinder of an engine. Advantages of both the engines can be obtained from the same cylinder of an engine. Conventionally IC engines are used for powering mechanisms in various applications. Two different values of torque can be achieved at the same RPM by running the same engine in either six stroke or four stroke cycle modes. The six stroke engine can be made to operate in four stroke cycle by using valve operating methods controlled by electro¬magnetic, electro-hydraulic or electro-pneumatic technology.

No. of Pages : 33 No. of Claims : 24

(21) Application No.194/CHE/2013 A

#### (19) INDIA

(22) Date of filing of Application :15/01/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SUSPENDED LATTICE FOR ELECTRICAL INTERCONNECTS (71)Name of Applicant : (51) International classification :H01L (31) Priority Document No :13/352,215 1)XEROX CORPORATION (32) Priority Date :17/01/2012 Address of Applicant :45 GLOVER AVENUE, P.O. BOX (33) Name of priority country :U.S.A. 4505, NORWALK, CONNECTICUT 06856-4505 U.S.A. (86) International Application No :NA (72)Name of Inventor : Filing Date :NA 1)CHAD D. FREITAG (87) International Publication No : NA **2)TYGH NEWTON** (61) Patent of Addition to Application Number :NA **3)CHAD J.SLENES** Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

An electrical interconnect has a circuit substrate and an electrical connection point on the circuit substrate. The electrical connection point includes a lattice of conductive material that is adjacent a gap in the circuit substrate and has anchor points that are attached to the circuit substrate. In some configurations, a conductive epoxy encapsulates at least a portion of the lattice of conductive material and may include a second electrical connection point that is bonded to the other electrical connection point through the conductive epoxy.

No. of Pages : 12 No. of Claims : 8

(21) Application No.2111/CHE/2013 A

#### (19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : PROCESS FOR MELPHA	ALAN	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K :NA :NA :NA :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)HETERO RESEARCH FOUNDATION Address of Applicant :HETERO DRUGS LIMITED, HETERO CORPORATE, 7-2-A2, INDUSTRIAL ESTATES, SANATH NAGAR, HYDERABAD - 500 018 Andhra Pradesh India (72)Name of Inventor : 1)PARTHASARADHI REDDY, BANDI 2)RATHNAKAR REDDY, KURA 3)MURALIDHARA REDDY, DASARI 4)SRINIVASA RAO, THUNGATHURTHY 5)VAMSI KRISHNA, BANDI</li></ul>

(57) Abstract :

The present invention provides a novel process for the purification of melphalan

No. of Pages : 10 No. of Claims : 10

#### (19) INDIA

(22) Date of filing of Application :08/11/2013

#### (21) Application No.5053/CHE/2013 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : WIRING DEVICE

(51) International classification	:A01B69/02	(71)Name of Applicant :
(31) Priority Document No	:2013- 025257	1)PANASONIC CORPORATION Address of Applicant :1006, Oaza Kadoma, Kadoma-shi,
(32) Priority Date	:13/02/2013	Osaka 571-8501, Japan.
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)Satoshi HIRATA
Filing Date	:NA	2)Shuji MATSUURA
(87) International Publication No	: NA	3)Chihwei LO
(61) Patent of Addition to Application Number	:NA	4)Chiungyu CHIEN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A wiring device comprises a first printed wiring board and a housing for housing the first printed wiring board. The housing comprises a body and a cover that are coupled with each other while the first printed wiring board is held therebetween in a thickness direction of the first printed wiring board. The cover has engagement projections that are configured to be capable of being engaged with engagement recesses of the body. The engagement projections are configured not to be engaged with the engagement recesses in an incorrect direction that is turned by 180 degrees from a correct assembling direction around an axis parallel to the thickness direction of the first printed wiring board. Therefore, it is possible to prevent incorrect assembly, such as attaching the cover to the body in the incorrect direction as above.

No. of Pages : 27 No. of Claims : 2

#### (19) INDIA

(22) Date of filing of Application :08/11/2013

#### (21) Application No.5054/CHE/2013 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : USB OUTLET

(51) International classification	:G06F13/00	(71)Name of Applicant :
(31) Priority Document No	:2013- 025258	1)PANASONIC CORPORATION Address of Applicant :1006, Oaza Kadoma, Kadoma-shi,
(32) Priority Date	:13/02/2013	Osaka 571-8501, Japan.
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)Satoshi HIRATA
Filing Date	:NA	2)Shuji MATSUURA
(87) International Publication No	: NA	3)Chiungyu CHIEN
(61) Patent of Addition to Application Number	:NA	4)Chihwei LO
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The USB outlet according to the present invention includes a USB receptacle, a printed wiring board, and a housing designed to enclose the USB receptacle and the printed wiring board. The USB receptacle is provided at a first end in a first direction with an opening for receiving a USB plug, and is mounted on a mounting surface of the printed wiring board at a second end in the first direction. In the USB receptacle, a dimension in a second direction is longer than a dimension in a third direction. The printed wiring board is provided at opposite ends in the second direction with legs supported by the housing. The legs face each other in the second direction and are longer than the USB receptacle in the third direction. The USB receptacle is within a region of the mounting surface between the legs.

No. of Pages : 25 No. of Claims : 10

(21) Application No.1304/CHE/2013 A

#### (19) INDIA

(22) Date of filing of Application :26/03/2013

(54) Title of the invention : INSERTION TOOL FOR 77 & 154 PIN CPCI CONNECTOR

(43) Publication Date : 21/11/2014

(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)SLRDC, HAL
(32) Priority Date	:NA	Address of Applicant :AGM(D), SLRDC, HINDUSTAN
(33) Name of priority country	:NA	AERONAUTICS LIMITED, AVIONICS DIVISION,
(86) International Application No	:NA	BALANAGAR, HYDERABAD - 500 042 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)SALAGRAMA SATHYANARAYANA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The Compact PCI connector utilizes guiding features located on both the board and backplane connector to ensure correct polarized mating. Proper mating is further enhanced by the use of coding keys for 3.3 V or 5 V operations, with or without hot swap capability, to prevent incorrect installation of boards. Due to high density of pins, 2 mm-pitch and 0.6mm drill diameter manual assembly of cPCI connector is difficult. The criticality lies in the assembly of the connector to the board. The small amount of error (mismatch) in the connector location leads to breakage of pins of the connector or malfunctioning of the system.

No. of Pages : 10 No. of Claims : 1

(21) Application No.1509/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :25/02/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD FOR PRODUCING A TETRANECTIN APOLIPOPROTEIN A I PARTICLE THE LIPID PARTICLE OBTAINED THEREWITH AND ITS USE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:30/08/2010 :EPO :PCT/EP2011/064601 :25/08/2011 :WO 2012/028525 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)F. HOFFMANN LA ROCHE AG Address of Applicant :124 Grenzacher Strasse CH 4070 Basel Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)BADER Martin</li> <li>2)BAEHNER Monika</li> <li>3)JOCHNER Anton</li> <li>4)KETTENBERGER Hubert</li> <li>5)MOHL Silke</li> </ul>
	:NA :NA	

(57) Abstract :

Herein is reported a method for producing a lipid particle comprising the following steps i) providing a first solution comprising denatured apolipoprotein ii) adding the first solution to a second solution comprising at least two lipids and a detergent but no apolipoprotein and iii) removing the detergent from the solution obtained in step ii) and thereby producing a lipid particle.

No. of Pages : 109 No. of Claims : 14

(21) Application No.437/CHE/2013 A

#### (19) INDIA

(22) Date of filing of Application :31/01/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : GLARE REDUCTION SYSTEM			
	(71) <b>Name of Applicant :</b> <b>1)RAMANATHAN, VENKATARAMAN</b> Address of Applicant :394 AVVAI SHANMUGAM SALAI, FLAT NO. 4, GOPALAPURAM, CHENNAI 600-086 Tamil Nadu India (72) <b>Name of Inventor :</b> <b>1)RAMANATHAN, VENKATARAMAN</b>		
Filing Date :NA			

(57) Abstract :

A glare reduction system is disclosed including a display device configured for placement in a line of sight of an object. The display device includes a plurality of picture elements without a color filter. Each of the picture elements have a pair of spaced apart polarizing elements in substantially parallel orientation with respect to each other, and a liquid crystal element between the polarizing elements. An imaging source is provided to receive light from the object. The glare reduction system further includes a display driver to process the received light to generate a voltage signal, and selectively provide the voltage signal to one or more of the picture elements in order to regulate the opacity of the display device.

No. of Pages : 22 No. of Claims : 17

(21) Application No.4986/CHE/2013 A

#### (19) INDIA

(22) Date of filing of Application :05/11/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : ROOM INVENTORY MANAGEMENT		
<ul> <li>(54) The of the invention : KOOM INVERTOR I</li> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>		(71)Name of Applicant : 1)Accenture Global Services Limited

#### (57) Abstract :

According to an example, a method for room inventory management may include generating inventory records for rooms for a predetermined time period. An inventory record may include an inventory record index representing a physical property of an associated room, and an inventory record attribute representing a modifiable attribute of the associated room. The method may further include generating keys to identify one or more of the inventory records based on attributes associated with the keys. A key may include a key index that matches the inventory record index for one or more of the inventory records. The method may also include receiving selections of the keys from the generated keys, and generating, by a processor, virtual room pools by grouping the selected keys for each of the selections.

No. of Pages : 34 No. of Claims : 20

#### (19) INDIA

(22) Date of filing of Application :11/11/2013

#### (21) Application No.5100/CHE/2013 A

(43) Publication Date : 21/11/2014

(54) Title of the invention : CLUTCH DEVICE :B25B23/14 (71)Name of Applicant : (51) International classification :2012-1)AISIN SEIKI KABUSHIKI KAISHA (31) Priority Document No Address of Applicant :1, Asahi-machi 2-chome, Kariya-shi, 250156 (32) Priority Date :14/11/2012 Aichi-ken, 448-8650, Japan. (33) Name of priority country (72)Name of Inventor : :Japan (86) International Application No :NA 1)Shoichi YAMASAKI

(57) Abstract :

Filing Date

Filing Date

Filing Date

(87) International Publication No

(62) Divisional to Application Number

(61) Patent of Addition to Application Number

A clutch device includes a wear compensating mechanism that adjusts an interval between a pressure plate and a pressing load adjusting mechanism to compensate a wear amount of a friction member, and a wear amount detecting and storing mechanism that detects and stores the wear amount of the friction member and allows an adjusting operation of the wear compensating mechanism, and that includes a sensor member that abuts on one or both of a flywheel and the wear compensating mechanism, a female screw member that is screwed with the sensor member with a predetermined clearance in an axial direction and is restrained from being moved in the axial direction by a member moving integrally with the pressure plate, an urging member that urges the sensor member towards the flywheel, and a rotating force generating member that generates a rotating force to move the female screw member towards the flywheel.

:NA

: NA

:NA

:NA

:NA

:NA

No. of Pages : 46 No. of Claims : 10

(21) Application No.1454/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :22/02/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : PROCESS FOR MANUFACTURING PHYSICAL ASSETS FOR CIVIL AND/OR INDUSTRIAL FACILITIES ON MOON MARS AND/OR ASTEROID

(51) International classification	n :E21C51/00,C22B5/04,C22B34/12	(71)Name of Applicant :
(31) Priority Document No	:MI2010A001412	1)UNIVERSITA DEGLI STUDI DI CAGLIARI
(32) Priority Date	:29/07/2010	Address of Applicant : Via Universit 40 I 09124 Cagliari Italy
(33) Name of priority country	:Italy	2)A.S.I. AGENZIA SPAZIALE ITALIANA
(86) International Application	:PCT/IB2011/053369	(72)Name of Inventor :
No	:28/07/2011	1)CAO Giacomo
Filing Date	:28/07/2011	2)CONCAS Alessandro
(87) International Publication	:WO 2012/014174	3)PISU Massimo
No	:wO 2012/014174	4)ORRU Roberto
(61) Patent of Addition to	. NI A	5)LICHERI Roberta
Application Number	:NA	6)CORRIAS Gianluca
Filing Date	:NA	7)ZANOTTI Claudio
(62) Divisional to Application	. NT A	
Number	:NA	
Filing Date	:NA	

(57) Abstract :

A process for manufacturing physical assets for civil and/or industrial facilities on Moon Mars and/or asteroid as well as the kit of materials and apparatus for implementing the same. Such a kit allows in fact to implement the process of the invention by providing all materials and apparatus that will be applied on Moon Mars and/or asteroid thus advantageously and significantly reducing either the costs and the volume and bulk of the materials.

No. of Pages : 20 No. of Claims : 5

(21) Application No.1660/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :28/02/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : SUPERTORREFACTION OF BIOMASS INTO BIOCOAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> </ul>	:61/368832 :29/07/2010 :U.S.A. :PCT/US2011/045902 :29/07/2011 :WO 2012/016149 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ACADEMIA SINICA Address of Applicant :128 Section 2 Academia Rd. Nangkang Taipei 11529 Taiwan</li> <li>(72)Name of Inventor :</li> <li>1)SHU Frank H.</li> <li>2)CAI Michael J.</li> <li>3)LUO Fen tair</li> </ul>
	:NA :NA :NA	

#### (57) Abstract :

A torrefaction system includes at least one pool containing a liquid heat transfer agent and a conveyor system. The heat transfer agent provides thermal contact with biomass fragments to heat the biomass fragments into biocoal. The conveyor system transports the biomass through the at least one pool in a first direction and transporting the biocoal in a second direction opposite to the first direction in the at least one pool. The heat transfer agent may be oil paraffin or molten salt. The conveyor system transports a continuous stream of the biomass fragments into the pools. The torrefaction apparatus further includes a gas collecting system that collects and separates condensable volatile organic compounds during the torrefaction process.

No. of Pages : 37 No. of Claims : 20

(21) Application No.2115/CHE/2013 A

## (19) INDIA

(22) Date of filing of Application :13/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : ANTIMICROBIAL SALTS FROM MARINE SALT MARSH HERBS		
(51) International classification	· \ 61K36/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DR. S. RAVI KUMAR
(32) Priority Date	:NA	Address of Applicant :SCHOOL OF MARINE SCIENCES,
(33) Name of priority country	:NA	DEPARTMENT OF OCEANOGRAPHY AND COASTAL
(86) International Application No	:NA	AREA STUDIES, ALAGAPPA UNIVERSITY, THONDI
Filing Date	:NA	CAMPUS 623 409, RAMANATHAPURAM DISTRICT Tamil
(87) International Publication No	: NA	Nadu India
(61) Patent of Addition to Application Number	:NA	2)V. SARAVANAN
Filing Date	:NA	(72)Name of Inventor :
(62) Divisional to Application Number	:NA	1)DR. S. RAVI KUMAR
Filing Date	:NA	2)V. SARAVANAN

(57) Abstract :

The inventive subject matter relates to an Antimicrobial Salt that would be used in the treatment of antibiotic resistant human bacterial diseases, eye diseases, urinary tract infectious diseases, fish diseases and poultry diseases. More specifically the invention relates to the process of isolation of Salt from marine plants viz.. Suaeda maritima. Suaeda monoica. Salicornia brachiata, Sesuvium portulacastrurn.

No. of Pages : 16 No. of Claims : 9

(21) Application No.3869/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :16/05/2013

#### (43) Publication Date : 21/11/2014

(54) Title of the invention : MOBILE TRA	NSACTIONS	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:G06Q20/00 :1017878.8 :22/10/2010 :U.K. :PCT/GB2011/052064	<ul> <li>(71)Name of Applicant :</li> <li>1)VODAFONE IP LICENSING LIMITED Address of Applicant : The Connection Newbury Berkshire RG14 2FN U.K.</li> <li>(72)Name of Inventor :</li> </ul>
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:24/10/2011 :WO 2012/052787 :NA :NA :NA	1)CORNFORTH Peter 2)REEVE Gregory 3)DOWNING Jason

(57) Abstract :

A method for analysing mobile handset based transactions between sender handsets and receiver handsets comprising the steps of: identifying locations of a sender handset and a receiver handset for each transaction using mobile base station information; determine a geographical distribution of mobile handset based transactions based on the identified locations; and identifying anomalies by comparing the determined geographical distribution with an expected geographical distribution.

No. of Pages : 33 No. of Claims : 20

(21) Application No.5335/CHE/2013 A

#### (19) INDIA

(22) Date of filing of Application :19/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : APPARATUS AND METHOD OF EFFICIENT VECTOR ROLL OPERATION (51) International classification :C12N (71)Name of Applicant : (31) Priority Document No :13/730,911 **1)INTEL CORPORATION** Address of Applicant :2200 Mission College Boulevard, M/S: (32) Priority Date :29/12/2012 (33) Name of priority country :U.S.A. RNB-4-150, Santa Clara, California 95054, U.S.A. (72)Name of Inventor : (86) International Application No :NA Filing Date :NA 1)ULIEL, Tal 2)BOLSHEM, Boris (87) International Publication No : NA (61) Patent of Addition to Application Number :NA 3) OULD-AHMED-VALL, Elmoustapha Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract :

A machine readable storage medium containing program code is described that when processed by a processor causes a method to be performed. The method includes creating a resultant rolled version of an input vector by forming a first intermediate vector, forming a second intermediate vector and forming a resultant rolled version of an input vector. The first intermediate vector is formed by barrel rolling elements of the input vector along a first of two lanes defined by an upper half and a lower half of the input vector. The second intermediate vector is formed by barrel rolling elements of the input vector is formed by incorporating upper portions of one of the intermediate vector<sup>TM</sup>s upper and lower halves as upper portions of the resultant<sup>TM</sup>s upper and lower halves.

No. of Pages : 31 No. of Claims : 20

(21) Application No.2148/CHE/2013 A

## (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : CRYSTALLINE 5-AZACYTIDINE AND ITS FORMULATION

(57) Abstract :

The present invention provides Crystalline 5-Azacytidine (I) designated as Form-SA-1 and process for preparing thereof. The present application also provides lyophilized formulation comprising crystalline 5-Azacytidine Form-SA-1 useful in the treatment of cancer, and methods of preparing said lyophilized formulation.

No. of Pages : 29 No. of Claims : 10

(21) Application No.2458/CHENP/2013 A

# (19) INDIA

#### (22) Date of filing of Application :28/03/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : CHARACTER CONVERSION SYSTEM AND CHARACTER CONVERSION METHOD AND COMPUTER PROGRAM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:G06F17/22 :2010228351	(71)Name of Applicant : 1)NEC CASIO Mobile Communications Ltd.
(32) Priority Date	:08/10/2010	Address of Applicant :1753 Shimonumabe Nakahara ku
(33) Name of priority country	:Japan	Kawasaki shi Kanagawa 2118666 Japan
(86) International Application No	:PCT/JP2011/070827	(72)Name of Inventor :
Filing Date	:13/09/2011	1)OKUDA Shinya
(87) International Publication No	:WO 2012/046546	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A search execution unit of a mobile terminal device searches within a search site on the Internet for image character data using an inputted character string as a keyword and displays the image character data within a conversion candidate display area as a conversion candidate. When a thumbnail image corresponding to image character data is selected from among the conversion candidates displayed the actual image data of the relevant image character is downloaded from the search site. A list generation unit delivers the downloaded image data to an email editing unit and the email editing unit displays the downloaded image data as is or after editing the image data at the position of the character string data of the character input area (the display area where the email is being created).

No. of Pages : 28 No. of Claims : 8

#### (19) INDIA

(22) Date of filing of Application :11/11/2013

(43) Publication Date : 21/11/2014

#### (51) International classification :G03G15/00 (71)Name of Applicant : :2012-1)SUZUKI MOTOR CORPORATION (31) Priority Document No 288966 Address of Applicant :300, Takatsuka-cho, Minami-ku, :28/12/2012 (32) Priority Date Hamamatsu-shi, Shizuoka-Ken, Japan (72)Name of Inventor : (33) Name of priority country :Japan (86) International Application No :NA 1)Yasuomi ISHIHARA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : EXHAUST GAS RECIRCULATING DEVICE FOR MOTOR VEHICLE ENGINE

#### (57) Abstract :

An exhaust gas recirculating device for a motor vehicle engine capable of suppressing condensed water generated within an exhaust gas recirculating passage inside a cylinder head from scattering into an exhaust manifold. An exhaust gas recirculating passage 13 for recirculating the exhaust gas has an upstream side passage portion 14 formed toward a cylinder bank direction from an exhaust port 7 at an end portion in a direction intersecting with cylinder banks of a cylinder head 2, in which a bottom surface 22 becomes gradually lower from the exhaust port 7 side, and a downstream side passage portion 15 formed toward a direction intersecting with cylinder banks while being connected to the upstream side passage portion 14. The downstream side passage portion 15 is cooled by cooling water within a cooling water entry portion 12. A protruding wall protruding from the bottom surface 22 toward a top surface 23 of the upstream side passage portion 14 and having a gap in relation to the top surface 23 is formed at an exhaust port 7 side end portion of the upstream side passage portion of the protruding wall 21 is set to be higher than a cross sectional center O of the exhaust port 7. Also, an upper end portion of the protruding wall 21 is set to be higher than an upper end portion of a connection 20 for the upstream side passage portion 14 and the downstream side passage portion 15.

No. of Pages : 38 No. of Claims : 9

(21) Application No.5086/CHE/2013 A

#### (19) INDIA

(22) Date of filing of Application :27/11/2013

(21) Application No.5439/CHE/2013 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : VARIABLE VALVE OPERATING SYSTEM FOR INTERNAL COMBUSTION ENGINE

	COC	
(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:2013-	1)SUZUKI MOTOR CORPORATION
(51) Thomy Document No	003381	Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:11/01/2013	Hamamatsu-shi, Shizuoka-ken, Japan
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)Hiroshi OHSAWA
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A variable valve operating apparatus is provided which has a cam carrier. The cam carrier is movable between a first position and a second position. The cam carrier has two walls which face each other to define a guide groove therebetween. One of the walls forms a first selector cam which moves the cam carrier to the first position. The other wall forms a second selector cam which moves the cam carrier to the second position. A first selector pin and a second selector pin which are insertable into the guide groove and reciprocable in a radius direction of a camshaft are so arrayed as to extend parallel to each other in a direction substantially perpendicular to the axial direction of the camshaft. The first selector pin is contactable with the first selector cam. Similarly, the second selector pin is contactable with the second selector pin and the second selector pin to each other so that the first and second selector pins are moved in opposite directions parallel to a radius of the camshaft.

No. of Pages : 44 No. of Claims : 6

(21) Application No.1311/CHE/2013 A

# (19) INDIA

(22) Date of filing of Application :26/03/2013

#### (43) Publication Date : 21/11/2014

(54) Title of the invention : LOCATING PIN FOR MOUNTING TRAY OF AVIONIC EQUIPMENT		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>(71)SLRDC, HAL Address of Applicant :AGM(D), SLRDC, HINDUSTAN AERONAUTICS LIMITED, AVIONICS DIVISION, BALANAGAR, HYDERABAD - 500 042 Andhra Pradesh India (72)Name of Inventor :</li> <li>1)GANAMUKKULA MALLESH</li> </ul>

# (57) Abstract :

Avionic Equipment has to be installed in the Aircraft along with the Mounting tray which is an interface between aircraft structure and airborne equipment. There is a functional requirement of easy installation and retention of the equipment in mounting tray and to bear the loads which are acting on the equipment through mounting tray during flight, landing and takeoff. To cater above said functional requirement locating pin has been designed. Avionic equipment is firmly supported in the mounting tray by means of this locating pin and some other locking elements. Locating pin also acts as a locator and guide for the equipment while installing in the mounting tray this serves the blind mating of the equipment with the mounting tray (fool proof). For Details of Locating Pin

No. of Pages : 11 No. of Claims : 4

(21) Application No.2452/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :28/03/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : NETWORK CALLING PRIVACY WITH RECORDING

(51) International classification	n:H04L29/06,H04M3/22,H04M3/42	(71)Name of Applicant :
(31) Priority Document No	:12/874864	1)GRYPHON NETWORKS CORP.
(32) Priority Date	:02/09/2010	Address of Applicant :249 Vanderbilt Avenue Norwood MA
(33) Name of priority country	:U.S.A.	02062 U.S.A.
<ul> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:PCT/US2011/049995 :31/08/2011 :WO 2012/030979	<ul> <li>(72)Name of Inventor :</li> <li>1)FOTTA Keith A.</li> <li>2)BOUDRIEAU Richard P.</li> <li>3)ZIEMBA JR. Robert E.</li> </ul>
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	4)DAMOURS Norman M.

(57) Abstract :

Compliance with a privacy database and call specific applications is provided within a network. A service control function (SCF) in communication with a privacy database selectively establishes a call between an origin and a destination. Based on origin or destination identifiers call parameters are determined for further operations associated with the call. A server responsive to the call parameters performs monitoring of the call or post call disposition to update the privacy database.

No. of Pages : 54 No. of Claims : 78

(21) Application No.3974/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : APPARATUS AND METHODS FOR PROVIDING A COMMUNICATION QUALITY FEEDBACK OF AN END TO END COMMUNICATION PATH

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:H04W24/10,H04L29/06 :12/963889 :09/12/2010 :U.S.A. :PCT/US2011/063150 :02/12/2011 :WO 2012/078473 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM Incorporated Address of Applicant :ATTN: International IP Administration</li> <li>5775 Morehouse Drive San Diego California 92121 1714 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)RATNAKAR Niranjan N.</li> <li>2)HANDE Prashanth</li> <li>3)RANGAN Sundeep</li> <li>4)MAHARSHI Atul</li> <li>5)ROY Subhadeep P.</li> <li>6)MADAN Ritesh K.</li> <li>7)KOYMEN Ozge</li> <li>8)RAY Siddharth</li> </ul>
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(57) Abstract :

The apparatus and methods described herein are used to provide a communication quality feedback of an end to end communication path between an application transmitter and an application receiver. One method includes transmitting data from the application transmitter to the application receiver via the end to end communication path the end to end communication path having at least one wireless link with a wireless transmitter and a wireless receiver generating at the wireless transmitter a first communication quality feedback message and transmitting the first communication quality feedback message from the wireless transmitter to the application transmitter in a standardized format.

No. of Pages : 27 No. of Claims : 40

#### (19) INDIA

(22) Date of filing of Application :11/11/2013

#### (21) Application No.5099/CHE/2013 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : USB RECEPTACLE

(51) International classification	:H01R	(71)Name of Applicant :
(31) Priority Document No	:JP 2013- 025256	1)PANASONIC CORPORATION Address of Applicant :1006, Oaza Kadoma, Kadoma-shi,
(32) Priority Date	:13/02/2013	Osaka 571-8501, Japan
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)Satoshi, HIRATA
Filing Date	:NA	2)Shuji MATSUURA
(87) International Publication No	: NA	3)Chihwei LO
(61) Patent of Addition to Application Number	:NA	4)Chiungyu CHIEN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A USB receptacle includes a printed wiring board on which a USB socket is mounted, and a housing which the printed wiring board is put in, and has an insertion hole for a USB plug to be plugged into the USB socket. The housing is provided with a contact part in the proximity of the USB socket so as to be in contact with the printed wiring board from a reverse direction of an insertion direction of the USB plug into the USB socket.

No. of Pages : 23 No. of Claims : 4

#### (21) Application No.5456/CHE/2013 A

#### (19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : TUBE BUNDLE REACTOR			
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B01J :102012023527.5 :30/11/2012 :Germany :NA :NA :NA : NA	<ul> <li>(71)Name of Applicant :</li> <li>1)MAN Diesel &amp; Turbo SE Address of Applicant :of Stadtbachstr. 1, 86153, Augsburg, Germany</li> <li>(72)Name of Inventor :</li> <li>1)LEHR, Manfred</li> <li>2)GOLDMANN, Andreas</li> <li>3)SCHUSTER, Wolfgang</li> </ul>	

### (57) Abstract :

A tube bundle reactor for carrying out catalytic gas phase reactions, with - a bundle of reaction tubes, which are catalyst-filled in operation and are subjected to a through-flow of reaction gas, - a tube bottom on the gas inlet side and on the gas outlet side, which are tightly connected to the ends of the reactions tubes on the gas inlet side and the gas outlet side and through which the reaction tubes open into a gas inlet chamber or a gas outlet chamber, - a reactor jacket, which encloses the tube bundle and with which the tube bottoms are tightly connected in order to form a jacket chamber with these, in which a heat transfer medium circulates about the reaction tubes during operation, - wherein the tube bottom on the gas outlet side comprises at least one first tube bottom portion, which is occupied by the tube bundle, and comprises at least one second tube bottom portion, which is tube bottom portion is present, which is aligned with the first tube bottom portion, and at least one second gas outlet chamber portion is present, which is aligned with the second tube bottom portion and comprises a dead space, and with - at least one flow directing device, which is arranged in the second gas outlet chamber portion, characterized in that the at least one flow directing device (8) is formed so that it directs a part flow of the reaction gas (10) exiting from the reaction tubes (3) out of the first gas outlet chamber portion (18) into the dead space (20).

No. of Pages : 26 No. of Claims : 11

(21) Application No.3856/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : DEVICE AND PROCESS FOR COATING A SUBSTRATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Amplication No.</li> </ul>	:C23C14/56,C23C16/44 :10 2010 049 017.2 :21/10/2010 :Germany :PCT/EP2011/005322	<ul> <li>(71)Name of Applicant :</li> <li>1)LEYBOLD OPTICS GMBH Address of Applicant :Siemensstr. 88 63755 Alzenau Germany</li> <li>(72)Name of Inventor :</li> <li>1)ELL DICULATE</li> </ul>
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:PC1/EP2011/005322 :21/10/2011 :WO 2012/052182 :NA :NA :NA :NA	1)ELLRICH Jens 2)EMMERICH Manfred Novak 3)CASPARI Andreas

(57) Abstract :

The invention relates to a device (1) for coating a surface (21) of a substrate (20). The device comprises a processing chamber (2) with a particle source (3) for producing coating particles (19) which are also deposited on the inner wall (5) of the processing chamber (2) and on shielding devices (41) arranged therein during operation in addition to the desired coating of the substrate surface. As the operating time increases the layer thickness of said deposits (6) grows until the latter undergo spalling which can lead to contamination of the substrate surfaces to be coated. In order to prevent this shielding screens (10 10 ) are arranged on the inner wall (5) of the processing chamber (2) and/or on the shielding devices (41) and prevent deposits (6 7) which undergo spalling from passing into the interior (17) of the processing chamber (2). The shielding screens (10 10 ) preferably consist of an expanded metal.

No. of Pages : 17 No. of Claims : 10

(21) Application No.3857/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : COMMUNICATION PLUG WITH IMPROVED CROSSTALK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> </ul>	:H01R13/6461,H01R24/64 :12/909130 :21/10/2010	1)PANDUIT CORP. Address of Applicant :18900 Panduit Drive Tinley Park IL
<ul> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:U.S.A. :PCT/US2011/052862 :23/09/2011	60487 U.S.A. (72)Name of Inventor : 1)BOLOURI SARANSAR Masud 2)NORDIN Banald A
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:WO 2012/054173 :NA :NA	2)NORDIN Ronald A. 3)WACHTEL Paul W. 4)BABU Surendra Chitti
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A communication plug having a plug body and a plurality of contact pairs at least partially within the plug body the contact pairs including an inherent asymmetric coupling between individual contacts of one of the contact pairs and other individual contacts of another of the contact pairs. Second asymmetric coupling elements are connected between the individual contacts of one of the contact pairs and the other individual contacts of another of the contact pairs. The second asymmetric coupling elements when combined with the inherent asymmetric coupling provide a balanced symmetric coupling between the individual contacts of one of the contact pairs and the other individual contacts of another of the contact pairs.

No. of Pages : 54 No. of Claims : 28

(21) Application No.459/CHE/2013 A

#### (19) INDIA

(22) Date of filing of Application :02/02/2013

(43) Publication Date : 21/11/2014

#### (51) International classification :G06F (71)Name of Applicant : (31) Priority Document No :NA **1)KAMASETTY BADARINATH** (32) Priority Date :NA Address of Applicant : Maruthi Nilaya, No.52B, 1st Floor, 37th (33) Name of priority country :NA Cross, 28th Main, Jayanagar 9th Block, Bangalore Karnataka (86) International Application No :NA India Filing Date (72)Name of Inventor : :NA (87) International Publication No 1)Krishnaswamy Loganathan : NA 2)KAMASETTY BADARINATH (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : A CONTROL SYSTEM FOR VARIABLE HOOKS OF AN ELECTRONIC JACQUARD

(57) Abstract :

The present invention provides a control system for variable hooks of an electronic jacquard wherein the control system comprising a master, a plurality of slave and a plurality of relay. An image of a design is stored in the master. The master includes a master controller, a user interface, a design input, a memory, a master program, a display a communication port and a plurality of supportive keys. The master is capable of partitioning the image of the design in to a various size and sending the respective partitions to the slaves in an order. The slave includes a slave controller, a flash memory, a slave program, a communication circuitry, and a plurality of relay. The relay port is connected to a plurality of hooks. The number of hooks of the electronic jacquard is upgraded or downgraded by adding or removing slaves without affecting the performance and with the same master.

No. of Pages : 22 No. of Claims : 17

(19) INDIA

(22) Date of filing of Application :28/11/2013

(21) Application No.5477/CHE/2013 A

(43) Publication Date : 21/11/2014

#### (51) International classification :C22C (71)Name of Applicant : **1)SUZUKI MOTOR CORPORATION** :2013-(31) Priority Document No 002006 Address of Applicant :300, Takatsuka-cho, Minami-ku, (32) Priority Date :09/01/2013 Hamamatsu-shi, Shizuoka-ken, Japan (72)Name of Inventor : (33) Name of priority country :Japan 1)Norifumi SUGIYAMA (86) International Application No :NA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : BALANCE MECHANISM INTEGRATED IN VEHICLE ENGINE

(57) Abstract :

In a balance mechanism integrated in a vehicle engine, a water-pump housing is formed on an outer side of a sidewall of a cylinder block and is at least partly located above a balance gear in an axial direction of a cylinder block. A drive shaft for driving a water pump is installed in the water-pump housing to project outwardly therefrom and from the sidewall of the cylinder block. The water pump being installed in the water-pump housing. A first flange is formed at the outer side of the sidewall of the cylinder block and joins the water-pump housing and the peripheral wall.

No. of Pages : 38 No. of Claims : 6

#### (19) INDIA

#### (22) Date of filing of Application :17/01/2013

(54) Title of the invention : A STERN DRIVE UNIT

(21) Application No.392/CHENP/2013 A

(43) Publication Date : 21/11/2014

(51) International classification	:B63H20/10	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PILLAY KOLAPPA Perumal
(32) Priority Date	:NA	Address of Applicant :1/122A Silver Cloud Estate Gudalui
(33) Name of priority country	:NA	P.O. The Nilgiris 643 211 Tamilnadu India
(86) International Application No	:PCT/IN2010/000485	(72)Name of Inventor :
Filing Date	:21/07/2010	1)PILLAY KOLAPPA Perumal
(87) International Publication No	:WO 2012/011116	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	27.4	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

This invention relates to a stern drive unit specific to enabling ease of manufacture in third world countries. By providing features for rigidity prevention of ingress of water and a lifting mechanism (11) to lift the transom drive propeller above the height of the keel connected to the stern (14) by means of a vertical pivot hinge (18) this invention allows the use of the drive when a boat is beached or when it is in the water. Several features such as an external oil monitor (15) an automatic cooling system and both manual and electrical operation of the lifting ram (11) are present in this invention. The transom stern drive of the invention can be made using common machine tools and coreless sand casting thereby sustain ably reducing the manufacturing costs

No. of Pages : 13 No. of Claims : 14

#### (19) INDIA

#### (22) Date of filing of Application :14/11/2013

#### (21) Application No.5258/CHE/2013 A

(43) Publication Date : 21/11/2014

(54) Title of the invention : SEALING APPARATUS (71)Name of Applicant : :H04N (51) International classification 1)Dresser, Inc. (31) Priority Document No :13/681,756 Address of Applicant :15455 Dallas Parkway, Suite 1100, :20/11/2012 (32) Priority Date Addison, Texas 750001, U.S.A. (33) Name of priority country :U.S.A. (72)Name of Inventor: (86) International Application No :NA 1)CUNNINGHAM, Thomas Henry Filing Date :NA 2)WOLFE, Christopher Edward (87) International Publication No : NA 3)SHENG, Nuo (61) Patent of Addition to Application Number :NA 4)QI, Xuele Filing Date :NA 5)THATTE, Azam Mihir (62) Divisional to Application Number :NA 6)STARES, James Albert Filing Date :NA 7)BOGER, Henry William

(57) Abstract :

An apparatus includes a cage and a main plug disposed in the cage. The main plug is movable between a main plug closed position and a main plug open position. A seal assembly disposed on the main plug, the seal assembly having a seal that is configured to contact the cage when the main plug is in the main plug closed position, and configured to reduce contact with the cage when a pressure differential across the seal is reduced. The apparatus includes a pressure balancing assembly movable between a closed position, an overtravel position and an open position. The pressure balancing assembly is configured to balance the pressure differential across the seal when in the overtravel and open position

No. of Pages : 38 No. of Claims : 20

#### (19) INDIA

(22) Date of filing of Application :27/11/2013

(54) Title of the invention : FRONT PILLAR STRUCTURE OF VEHICLE

(21) Application No.5435/CHE/2013 A

(43) Publication Date : 21/11/2014

#### (51) International classification :B62D (71)Name of Applicant : **1)SUZUKI MOTOR CORPORATION** :2013-(31) Priority Document No 066886 Address of Applicant :300, Takatsuka-cho, Minami-ku, (32) Priority Date :27/03/2013 Hamamatsu-shi, Shizuoka-ken, Japan (72)Name of Inventor : (33) Name of priority country :Japan 1)Ryotaro YASUHARA (86) International Application No :NA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

There is provided a front pillar structure of a vehicle which can improve the case of assembly, and can reduce the manufacturing cost. [Means for Solving the Problem] A fitting portion is formed between a side portion 2S of an instrument panel 2 and a front pillar panel 7, and a cushioning material 30 is elastically fitted to the fitting portion. The cushioning material 30 is compressed into the fitting portion in at least one direction of a vehicle front and rear direction, a vehicle width direction, and a vehicle slantwise front and rear direction. The cushioning material 30 is placed on a dash silencer.

No. of Pages : 26 No. of Claims : 6

#### (19) INDIA

(22) Date of filing of Application :29/11/2013

(21) Application No.5513/CHE/2013 A

(43) Publication Date : 21/11/2014

(54) Title of the invention : VEHICLE REAR STRUCTURE		
(51) International classification	:A47L	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)SUZUKI MOTOR CORPORATION
	281771	Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:25/12/2012	Hamamatsu, Shizuoka, 432-8611, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)Hiroyasu SHIROMURA
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

It is an object of the present invention to provide a vehicle structure in which a great impact G is not imparted on the rear frame member as soon as a fastening member makes contact with the inside of a collar in the event of a rear-end collision to a vehicle even if a clearance to absorb a tolerance is configured between the inside of the collar and the fastening member. A representative configuration according to the present invention is a vehicle rear structure 100 comprising left and right rear side members 110 extending in a vehicle front-rear direction along a floor in a vehicle rear portion further comprising: a rectangular frame member 102 arranged on an underside of the rear side member 110; a tubular collar 118 extending upward from the frame member 102; a fastening member (a bolt 120) that is inserted into the inside of the collar 118 at a clearance to the inside of the collar 118 and fastens the frame member 102 to the rear side members 110; and an abutting member (a cam 128) that is fixed to the rear side member 110 and abuts on the vehicle rear side of the collar 118.

No. of Pages : 25 No. of Claims : 3

(21) Application No.1910/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :08/03/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : NETWORK BASED REAL TIME REGISTERED AUGMENTED REALITY FOR MOBILE DEVICES

#### (57) Abstract :

A method of operating a mobile device with a camera a display and a position sensor to provide a display of supplementary information aligned with a view of a scene. One or more image obtained from the camera is uploaded to a remote server together with corresponding data from the position sensor. Image processing is then performed to track image motion between that image and subsequent images obtained from the camera determining a mapping between the uploaded image and a current image. Data is then received via the network indicative of a pixel location for display of supplementary information within the reference image. The mapping is used to determine a corresponding pixel location for display of the supplementary information within the current image and the supplementary information is displayed on the display correctly aligned with the view of the scene.

No. of Pages : 33 No. of Claims : 19

(21) Application No.1911/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :08/03/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : NETWORK SYSTEM AND NETWORK MANAGEMENT METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(33) Name of priority country</li> <li>(34) International Application No</li> <li>(35) International Application No</li> <li>(36) International Publication No</li> <li>(37) International Publication No</li> <li>(30) International Publication No</li> <li>(31) Publication No</li> <li>(32) Publication Number</li> <li>(32) Publication Number</li> <li>(33) Name of Application Number</li> <li>(34) MASUDA Takahisa</li> <li>(35) YUN Suhun</li> </ul>	70
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#### (57) Abstract :

In the present invention a controller completes flow entry settings for a switch before communication of a virtual machine commences. Specifically the controller sets information of the virtual machine and information of a server which operates the virtual machine. The controller detects by way of the switch the information of the server which is controlled by the switch. When the set information of the server and the detected information of the server match the controller sets in the switch a flow entry with regard to packets having said virtual machine as the destination and this setting is performed on the basis of the information of the virtual machine on the server. The virtual machine then commences communication.

No. of Pages : 41 No. of Claims : 10

#### (19) INDIA

#### (22) Date of filing of Application :17/05/2013

# (21) Application No.2184/CHE/2013 A

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : DEVICE FOR CHARGING THE TELEPHONE ACCOUNTS FROM MULTIPLE NETWORK OPERATORS

(51) International classification	:H04M15/16	(71)Name of Applicant :
(31) Priority Document No	:NA	1)GASSALI V.M
(32) Priority Date	:NA	Address of Applicant : VELLEZHAM, VATTAYAL WARD,
(33) Name of priority country	:NA	THIRUVAMPADY P.O, ALAPPUZHA - 2 Kerala India
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)GASSALI V.M
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

Device for charging the telephone accounts from multiple network operators The present invention relates to a device for charging the mobile phone talk time accounts of multiple network providers, comprising microprocessor, keypad units, display units, multiple SIM slots, audio section, network section, power and charging section, etc. There is provided keypad units for entering the details for charging the accounts and display units for viewing the details entered. Multiple slots are provided for inserting the SIM of network operators. There is a network system provided in the device which facilitates the connection for availing the services from different network operators. The device has the facility for card swiping for making the payment. The device also has the facility for making telephone calls which is facilitated through the audio section. The power section in the device supplies power to all other sections. The device can be used in all telecom recharging outlets, in which the retailers can recharge the mobile phone accounts of any number of network providers in a single device.

No. of Pages : 12 No. of Claims : 10

#### (19) INDIA

(22) Date of filing of Application :29/11/2013

(54) Title of the invention : CONSOLE CUP HOLDER STRUCTURE

(21) Application No.5510/CHE/2013 A

(43) Publication Date : 21/11/2014

(51) International classification	:A47L	(71)Name of Applicant :
(31) Priority Document No	:2013- 033194	1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:22/02/2013	Hamamatsu-shi, Shizuoka-ken, Japan
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NĀ	1)Akinori ISHIKAWA
Filing Date	:NA	2)Loknath TRIVEDI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

It is an object of the present invention to provide a console cup holder structure for securing a space around the feet of a passenger between a lid of a console cup holder and a rear seat, preventing the feet of the passenger sitting on the rear seat from hitting a drink container and vehicle-mounted components, and allowing the passenger in the rear seat to easily walk through. [Solution] In an opening and closing console cup holder structure attached to the back of a rear console 1 disposed in a compartment interior R, a console cup holder 7 includes a lid 9, one end side of which is pivotally attached. The lid 9 is shaped such that, in a closed state, the front surface of the lid 9 forms a part of a design and, in an open state, the rear surface side of the lid 9 forms a cup holding mechanism. The lid 9 in the open state is arranged at a location that is the same as the rear end position of reclining covers 5 of front seats 2 and 3 or further in the vehicle front than the rear end position of the reclining covers 5.

No. of Pages : 20 No. of Claims : 5

(21) Application No.5055/CHE/2013 A

# (19) INDIA

(22) Date of filing of Application :08/11/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : COMPUTER INFRASTRUCTURE PERFORMANCE SYSTEM		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	FRUCTURE PE :G06F :13/674,788 :12/11/2012 :U.S.A. :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant : 1)ACCENTURE GLOBAL SERVICES LIMITED
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA :NA	1)Gregory P. SPATA

(57) Abstract :

A computer infrastructure performance system to measure a performance of a target computer. An event capture subsystem may capture videos of a desktop of the target computer before and after an infrastructure change. A duration analysis subsystem may analyze the videos to determine and compare durations of events occurring in the desktop that are captured in the videos, and determine changes in performance of the computer system based on the analysis.

No. of Pages : 32 No. of Claims : 20

#### (19) INDIA

(22) Date of filing of Application :27/11/2013

(21) Application No.5442/CHE/2013 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : CYLINDER HEAD

(51) International classification	:G01T :2013-	(71)Name of Applicant :
(31) Priority Document No	008607	1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:21/01/2013	Hamamatsu-shi, Shizuoka-ken, Japan
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)Nobuo TABUCHI
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract :

A cylinder head capable of improving a productivity of a cylinder head having an exhaust collecting portion and improving a cooling efficiency of the exhaust collecting portion is disclosed. An exhaust collecting portion 9 is surrounded by an upper side flow passage portion 15, a lower side flow passage portion 16 and extended flow passage portions 17 into which coolant flows through a coolant communication passage 26 from a lower portion side water jacket 12 that is opening in a cylinder block 2. The upper side flow passage portion 15 and the extended flow passage portions 17 are formed at a time of the molding along with an upper portion side water jacket 18, while the lower side flow passage portion 16 is formed by the drilling after the molding.

No. of Pages : 30 No. of Claims : 6

#### (19) INDIA

(22) Date of filing of Application :29/11/2013

(21) Application No.5521/CHE/2013 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD AND MOBILE TERMINAL FOR CONTROLLING SCREEN LOCK (51) International classification :G08B (71)Name of Applicant : :10-2012-1)SAMSUNG ELECTRONICS CO., LTD. (31) Priority Document No 0139249 Address of Applicant :129, Samsung-ro, Yeongtong-gu, (32) Priority Date :03/12/2012 Suwon-si, Gyeonggi-do, 443-742, Republic of Korea (72)Name of Inventor : :Republic (33) Name of priority country of Korea 1)Ju-youn LEE 2)Sang-hyup LEE (86) International Application No :NA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract :

A method of controlling screen lock and a mobile terminal employing the same is provided. The mobile device includes a User Interface (UI) for setting a screen unlock mode using a wireless device other than the mobile terminal and stores IDentifier (ID) information of the wireless device designated by the UI corresponding to the screen unlock mode. The mobile terminal is capable of detecting a wireless device. After the ID information of the wireless device is stored, if the wireless device is detected by the mobile terminal and ID information of the detected wireless device is identical to the stored ID information, the mobile terminal controls not to display an unlock requesting screen when the display unit of the mobile terminal is turned on.

No. of Pages : 70 No. of Claims : 15

#### (19) INDIA

(22) Date of filing of Application :29/11/2013

(21) Application No.5522/CHE/2013 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : INFORMATION PROVIDING METHOD AND MOBILE TERMINAL THEREFOR

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:G08B :10-2012- 0139247 :03/12/2012 :Republic of Korea	<ul> <li>(71)Name of Applicant :</li> <li>1)SAMSUNG ELECTRONICS CO., LTD. Address of Applicant :129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, Republic of Korea</li> <li>(72)Name of Inventor :</li> <li>1)Ju-youn LEE</li> </ul>
(86) International Application No Filing Date	:NA :NA	2)Sang-hyup LEE 3)Min-jeong KO
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	4)Seung-hyuck SHIN
<ul><li>Filing Date</li><li>(62) Divisional to Application Number</li><li>Filing Date</li></ul>	:NA :NA :NA	

#### (57) Abstract :

An information providing method using a mobile terminal is provided. The method includes placing the mobile terminal within a communication range of a sensor based Bluetooth Low Energy (BLE) device previously registered in the mobile terminal, receiving identification information and sensing information detected by the sensor based BLE device from the sensor based BLE device, extracting notification information corresponding to the received identification information of the sensor based BLE device, comparing a previously set reference sensing information included in the extracted notification information and the received sensing information information based on the comparison of the previously set reference sensing information.

No. of Pages : 164 No. of Claims : 15

#### (19) INDIA

(22) Date of filing of Application :29/11/2013

(21) Application No.5524/CHE/2013 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : MOBILE TERMINAL AND METHOD OF CONTROLLING FUNCTION OF THE MOBILE TERMINAL

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:G08B :10-2012- 0139248 :03/12/2012 :Republic of Korea	<ul> <li>(71)Name of Applicant :</li> <li>1)SAMSUNG ELECTRONICS CO., LTD. Address of Applicant :129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, Republic of Korea.</li> <li>(72)Name of Inventor :</li> <li>1)Ju-youn LEE</li> </ul>
(86) International Application No Filing Date	:NA :NA	2)Sang-hyup LEE
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A method of controlling a function of a mobile terminal is provided. The method includes placing the mobile terminal within a communication range of a Bluetooth Low Energy (BLE) device previously registered in the mobile terminal, receiving identification information of the BLE device from the BLE device, extracting function information corresponding to the received identification information of the BLE device, and performing a previously set function corresponding to the extracted function information.

No. of Pages : 214 No. of Claims : 15

(21) Application No.3884/CHENP/2013 A

### (19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD OF SETTING THE OSCILLATION FREQUENCY OF A CLOCKWORK SUBASSEMBLY

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G04D7/08,G04D7/10 :10191646.8 :18/11/2010	<ul> <li>(71)Name of Applicant :</li> <li>1)NIVAROX FAR S.A. Address of Applicant : Avenue du Coll<sup>°</sup>ge 10 CH 2400 Le</li> </ul>
(33) Name of priority country	:EPO	Locle Switzerland
(86) International Application No	:PCT/EP2011/070384	(72)Name of Inventor :
Filing Date	:17/11/2011	1)VERARDO Marco
(87) International Publication No	:WO 2012/066094	2)BARTHOULOT Philippe
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

Method of setting the oscillation frequency to a predetermined oscillation frequency of a clockwork adjusting assembly with no regulating unit with a hairspring assembly balance: a particular hairspring assembly is randomly selected from a toleranced production; the restoring torque of said hairspring assembly is measured; a particular balance is selected randomly from a toleranced production; a theoretical inertia (IT) of said particular balance is calculated for reaching said predetermined oscillation frequency as a function of said measured restoring torque of said selected hairspring; the real inertia (IR) of said particular balance is measured; by direct action on said particular balance its inertia is corrected to said theoretical inertia value (IT) calculated for obtaining said predetermined oscillation frequency of said adjusting assembly constituted by said particular balance and by said particular hairspring assembly.

No. of Pages : 23 No. of Claims : 21

(21) Application No.3885/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :16/05/2013

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : USE OF SILANE AND SILOXANE BIS(BIPHENYL)TRIAZINE DERIVATIVES AS UV ABSORBERS

<ul> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(32) Priority Date</li> <li>(33) Name of priority Cause</li> <li>(34) Name of priority country</li> <li>(35) Name of priority country</li> <li>(36) Name of priority country</li> <li>(31) Name of priority country</li> <li>(32) Name of priority country</li> <li>(32) Name of priority Cause</li> <li>(33) Name of priority Cause</li> <li>(34) Name of priority country</li> <li>(35) Name of priority country</li> <li>(31) Name of priority country</li> <li>(32) Name of priority country</li> <li>(32) Name of priority country</li> <li>(33) Name of priority country</li> <li>(34) Name of priority country</li> <li>(35) Name of priority country</li> <li>(35) Name of priority country</li> <li>(36) Name of priority country</li> <li>(10) Name of priority country</li> <l< th=""><th>PCT/EP2011/068303 20/10/2011 WO 2012/052499 NA NA</th><th><ul> <li>1)BASF SE Address of Applicant :67056 Ludwigshafen Germany</li> <li>(72)Name of Inventor : 1)WAGNER Barbara</li> <li>2)HERZOG Bernd</li> </ul></th></l<></ul>	PCT/EP2011/068303 20/10/2011 WO 2012/052499 NA NA	<ul> <li>1)BASF SE Address of Applicant :67056 Ludwigshafen Germany</li> <li>(72)Name of Inventor : 1)WAGNER Barbara</li> <li>2)HERZOG Bernd</li> </ul>
Number	NA NA	

(57) Abstract :

Disclosed is the use of silane and siloxane bis(biphenyl)triazine derivatives of formula (1) wherein n is a number from 1 to 4; if n = 1 X is L Sil; or a radical of formula (11) L is a linker selected from a radical of formula (2); R1 R2 R3 independently from each other are C1 Calkyl; C Caryl; C Calkoxy; or O C Caryl; R4 R5 R6 and R7 independently from each other are hydrogen; C Calkyl; C Caryl; C Calkoxy; or O C Caryl; B4 R5 R6 and R7 independently from each other are hydrogen; C Calkyl; C Caryl; C Calkoxy; or O C Caryl; b is a number from 0 to 30; c is a number from 0 to 6; and d is a number from 0 to 1; p is a number from 1 to 250; q is a number from 0 to 250; and Sil Siland Sil independently from each other are a silane oligosiloxane or polysiloxane moiety; if n = 2 X is a bivalent radical of formula (1a); or (1b); x is a number from 2 to 250; y is a number from 0 to 250; and z is a number from 1 to 50; if n = 3 X is a trivalent radical containing a silane oligosiloxane or polysiloxane moiety; If n = 4 X is a tetravalent radical of formula (1c); and A is a radical of formula (111) as UV absorbers.

No. of Pages : 46 No. of Claims : 13

(21) Application No.3886/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : PROCESS AND PLANT FOR THE PRODUCTION OF METHANOL WITH ISOTHERMAL CATALYTIC BEDS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)METHANOL CASALE SA Address of Applicant :Via Giulio Pocobelli 6 CH 6900</li> <li>Lugano Besso Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)LAURENZI Fabio</li> </ul>
Filing Date (87) International Publication No	:WO 2012/052204	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A process for the synthesis of methanol comprising the steps of reforming a hydrocarbon source obtaining a make up gas feed (101) feeding said make up gas to a synthesis loop (L) converting said make up gas to methanol (108) in a substantially isothermal catalytic environment wherein said catalytic environment comprises a plurality of isothermal catalytic beds (1 1 12 21) preferably arranged in series and at least a portion of make up gas (101) is mixed with recycle gas (1 12) from the loop (L) obtaining a gaseous mixture of fresh gas and recycle gas and at least a portion of said gaseous mixture is directed between two consecutive catalytic beds acting as a quench gas. A related plant is also disclosed.

No. of Pages : 15 No. of Claims : 9

(21) Application No.5970/CHENP/2012 A

#### (19) INDIA

(22) Date of filing of Application :06/07/2012

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SEMICONDUCTOR DEVICE AND METHOD FOR PRODUCING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> </ul>	:G09F9/30 :2009-279826 :09/12/2009 :Japan :PCT/JP2010/071728 :03/12/2010 :WO 2011/070981 A1 :NA :NA	2)NISHIKI, HIROHIKO 3)OHTA, YOSHIFUMI 4)MIZUNO, YUUJI 5)HARA, TAKESHI 6)AITA, TETSUYA
Number Filing Date (62) Divisional to Application Number Filing Date		6)AITA, TETSUYA 7)SUZUKI, MASAHIKO 8)TAKEI, MICHIKO 9)NAKAGAWA, OKIFUMI 10)HARUMOTO, YOSHIYUKI

#### (57) Abstract :

A semiconductor device includes: a thin film transistor having a gate line (3a), a first insulating film (5), an island-shaped oxide semiconductor layer (7a); a second insulating film (9), a source line (13as), a drain electrode (13ad), and a passivation film; and a terminal portion having a first connecting portion (3c) made of the same conductive film as the gate line, a second connecting portion (13c) made of the same conductive film as the source line and the drain electrode, and a third connecting portion (19c) formed on the second connecting portion. The second connecting portion is in contact with the first connecting portion within a first opening (lie) provided in the first and second insulating films; the third connecting portion (19c) is in contact with the second connecting portion within a second opening (17c) provided in the passivation film; and the second connecting portion (13c) covers end faces of the first and second insulating films within the first opening (lie), but does not cover an end face of the passivation film (15) within the second opening (17c). As a result, the taper shape of a contact hole of the terminal portion can be controlled with a high precision.

No. of Pages : 102 No. of Claims : 17

(21) Application No.3154/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :22/04/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : POLYMERIZABLE DENTAL MATERIAL COMPRISING REACTIVE PASTE FORMERS HARDENED DENTAL MATERIAL AND USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:A61K6/00,A61K6/083 :10 2010 046 697.2 :28/09/2010 :Germany :PCT/EP2011/066557 :23/09/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)KETTENBACH GMBH &amp; CO. KG Address of Applicant :Im Heerfeld 7 35713 Eschenburg Germany</li> <li>(72)Name of Inventor :</li> <li>1)BUBLEWITZ Alexander</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:WO 2012/052249 :NA :NA :NA :NA	2)THEIS Alexander 3)REBER Jens Peter

#### (57) Abstract :

The invention relates to a polymerizable dental material comprising at least one paste component A and at least one paste component B component A comprising at least one initiator of free radical polymerization c) selected from the group of the barbituric acid derivatives and/or the malonylsulphamides and component B comprising at least one organic compound d) comprising acrylic ester and/or methacrylic ester radicals at least one metal compound e) and at least one halide and/or pseudohalide compound f). The polymerizable dental material is characterized in that component A as a reactive paste former comprises at least one organic compound a) derived from maleic acid and/or from fumaric acid and/or from itaconic acid and/or at least one compound comprising at least one allyl and/or methallyl radical b). The polymerizable dental material has very good storability and cures rapidly after mixing of components A and B under mouth conditions and forms cured compositions with excellent mechanical properties. These can be used particularly as a crown and bridge material or as dental cement.

No. of Pages : 71 No. of Claims : 16

#### (19) INDIA

(22) Date of filing of Application :11/11/2013

(21) Application No.5084/CHE/2013 A

(43) Publication Date : 21/11/2014

(54) Title of the invention : INTERIOR PERMANENT MAGNET ELECRIC ROTATING MACHINE				
(51) International classification	:H01F1/00	(71)Name of Applicant :		
(31) Priority Document No	:2012-	1)SUZUKI MOTOR CORPORATION		
(51) Thomy Document No	261569	Address of Applicant :300, Takatsuka-cho, Minami-ku,		
(32) Priority Date	:29/11/2012	Hamamatsu-shi, Shizuoka-Ken, Japan		
(33) Name of priority country	:Japan	(72)Name of Inventor :		
(86) International Application No	:NA	1)Masahiro AOYAMA		
Filing Date	:NA			
(87) International Publication No	: NA			
(61) Patent of Addition to Application Number	:NA			
Filing Date	:NA			
(62) Divisional to Application Number	:NA			
Filing Date	:NA			

(57) Abstract :

An IPM electric rotating machine comprises multiple pairs of magnets in a rotor. Apertures are in the rotor, each being substituted for that portion of one of the magnets located in a predetermined range which would generate magnetic flux in such directions as to cancel magnetic flux emanating from the stator in the neighborhood of a direct axis of one of the magnetic poles if the magnet were located in the predetermined range. The rotor has side bridges between flux barriers and an outer periphery of the rotor. Each of the flux barriers is configured so that an included angle 8 (electrical angle) is in a range from 64.70 to 74.20 and an included angle 9 (mechanical angle) is in a range from 00 to 370.

No. of Pages : 149 No. of Claims : 2

(21) Application No.58/CHE/2014 A

#### (19) INDIA

(22) Date of filing of Application :06/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : HVAC BLOWER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:F15J :13/753,903 :03/01/2013 :U.S.A. :NA :NA :NA : NA :NA	
<ul><li>(62) Divisional to Application Number</li><li>Filing Date</li></ul>	:NA :NA :NA	

(57) Abstract :

The invention relates to a heating, ventilation, and air conditioning (HVAC) system for a motor vehicle, the HVAC system having a length greater than a width and disposed with the length parallel to a longitudinal axis of the motor vehicle between the front seats thereof. The HVAC system includes a blower assembly disposed beneath an instrument panel of the motor vehicle or inside an engine compartment.

No. of Pages : 15 No. of Claims : 20

(21) Application No.6548/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :14/08/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : INTERFERENCE CHECK DEVICE AND NUMERICAL CONTROL DEVICE (51) International classification :G01B (71)Name of Applicant : (31) Priority Document No :NA 1)MITSUBISHI ELECTRIC CORPORATION (32) Priority Date :NA Address of Applicant :7 3 Marunouchi 2 chome Chiyoda ku (33) Name of priority country :NA Tokyo 1008310 Japan :PCT/JP2013/054376 (72)Name of Inventor : (86) International Application No 1)MORITA Toshiyuki Filing Date :21/02/2013 (87) International Publication No :WO 2014/128890 2)TAKAHASHI Nobuyuki (61) Patent of Addition to Application **3)OTSUKA Tadahiro** :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract :

Provided is an interference check device comprising: a contour profile analysis unit (13) which analyzes a two dimensional image of a rotary tool and extracts a contour profile of a tool cross section and a tool length; a rotational center analysis unit (14) which analyzes the contour profile and derives the rotational center of the rotary tool; a three dimensional rotation profile creation unit (15) which on the basis of the contour profile the tool length and the rotational center creates a three dimensional profile of the rotary tool; and an interference check processing unit (16) which uses the three dimensional profile to check whether the rotary tool and a member other than the rotary tool will interfere when a workpiece is subjected to numerical control machining using the rotary tool. The three dimensional rotation profile creation unit (15) creates the three dimensional profile of the rotary tool using a left side contour profile which is a portion of the contour profile further to the left side from the rotational center and a right side contour profile which is a portion of the contour profile further to the rotational center.

No. of Pages : 37 No. of Claims : 6

(21) Application No.3982/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : A PACK FOL	R SMOKING ARTICLES	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)BRITISH AMERICAN TOBACCO (INVESTMENTS)</li> <li>LIMITED <ul> <li>Address of Applicant :Globe House 1 Water Street London</li> <li>WC2R 3LA U.K.</li> <li>(72)Name of Inventor :</li> <li>1)HOLFORD Steven</li> </ul> </li> </ul>

(57) Abstract :

A hinged lid pack (1) for smoking articles is disclosed. The pack (1) comprises a body (2) and a lid (9) hingedly connected to the body along a rear wall of the pack so as to define a line of closure between the lid (9) and the body (2) that extends from the rear wall across opposing side walls and a front wall of the pack. The line of closure (8) has a first portion (30) that extends away from the rear wall across each side wall at a first angle (A C) relative to the rear wall. The line of closure (8) also has a second portion (31) that extends from the first portion towards the front wall of the pack the second portion (31) is at a second angle (D) relative to the rear wall.

No. of Pages : 15 No. of Claims : 11

#### (19) INDIA

(22) Date of filing of Application :25/11/2013

(21) Application No.5417/CHE/2013 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : MOTORCYCLE TIRE (51) International classification :A47L (71)Name of Applicant : :2012-1)SUMITOMO RUBBER INDUSTRIES, LTD. (31) Priority Document No 270612 Address of Applicant :6-9, Wakinohama-cho 3-chome, Chuo-(32) Priority Date :11/12/2012 ku, Kobe-shi, Hyogo 651-0072, Japan. (72)Name of Inventor : (33) Name of priority country :Japan 1)Takao KUWAHARA (86) International Application No :NA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract :

A motorcycle tire is provided with crown main oblique grooves disposed on alternating sides of the tire equator and each extending from its axially inner end to its axially outer end, without cutting across the tire equator, while inclining to one circumferential direction, wherein the axially outer end is located outside an upstanding tires ground contact annular zone. When measured in the annular zone, the circumferential distance between the circumferentially adjacent crown main oblique grooves existing on the same side of the tire equator is in a range of not more than 0.5 times an upstanding tires ground contact length. In the annular zone, the crown main oblique grooves on one side of the tire equator is partially overlaps those on the other side. When measured in the annular zone, the circumferential length of the crown main oblique groove is less than the upstanding tires ground contact length.

No. of Pages : 29 No. of Claims : 3

(19) INDIA

(22) Date of filing of Application :26/11/2013

(54) Title of the invention : BATTERY CHARGING DEVICE FOR MOTOR VEHICLE

(21) Application No.5419/CHE/2013 A

(43) Publication Date : 21/11/2014

#### (51) International classification :H01J (71)Name of Applicant : **1)SUZUKI MOTOR CORPORATION** :2012-(31) Priority Document No 287803 Address of Applicant :300, Takatsuka-cho, Minami-ku, (32) Priority Date :28/12/2012 Hamamatsu-shi, Shizuoka-ken, Japan (72)Name of Inventor : (33) Name of priority country :Japan 1)Seiji BITO (86) International Application No :NA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A battery charging device for a motor vehicle capable of enabling the charging of a low voltage battery by a high voltage battery, without using a transformer such as a DC/DC converter, is disclosed. A battery pack 30 has a plurality of battery modules 31 having an output equivalent to a lead battery 5, a parallel circuit 39 for connecting the plurality of battery modules 31 in parallel, and a series circuit 34 for connecting the plurality of battery modules 31 in series, and the lead battery 5 is connected to the parallel circuit 39 in parallel with the plurality of battery modules 31.

No. of Pages : 37 No. of Claims : 10

(21) Application No.8557/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :23/10/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PICKUP FOR AN AGRICULTURAL MACHINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:A01D89/00 :2011/0212 :08/04/2011 :Belgium :PCT/EP2012/055412 :27/03/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)CNH BELGIUM N.V. Address of Applicant :Leon Claeysstraat 3A B 8210 Zedelgem Belgium</li> <li>(72)Name of Inventor :</li> <li>1)DUMAREY Robrecht</li> </ul>
(86) International Application No		
(87) International Publication No	:WO 2012/136515	1)DUMARE I Robrecht
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The present invention provides a pick up assembly (10) for an agricultural machine (100) comprising: a pick up drum (12) rotatably mounted in a frame (16); a windguard (18) mounted at a free end of two lateral support arms (20) the two lateral support arms (20) being pivotably mounted at their other end to the frame (16); a crossbar (26) comprising a plurality of tines (24) mounted at one end to the crossbar (26) the crossbar (26) being pivotably mounted to the two lateral support arms (20) for allowing a range of free movement of the free extremities (28) of the tines (24) between an upper limit and a lower limit. The pick up assembly (10) further comprises two elongate flexible tension elements (32 34) connected at one end (321 341) eccentrically to the crossbar (26) and at their other end (322 342) to the frame (16). The two tension elements (32 34) being configured such that they control respectively the lower limit and the upper limit of the range of movement of the tines (24) in function of an angle of rotation (a) of the support arms (20).

No. of Pages : 26 No. of Claims : 9

(21) Application No.4006/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : PROVIDING TRANSPARENT FAILOVER IN A FILE SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application</li> </ul>	PCT/US2011/063618 :06/12/2011 :WO 2012/078693 :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>MICROSOFT CORPORATION Address of Applicant :One Microsoft Way Redmond </li> <li>Washington 98052 6399 U.S.A.</li> <li>(72)Name of Inventor : <ol> <li>SWAN Paul R.</li> <li>GEORGE Mathew</li> <li>KRUSE David M.</li> <li>BATTEPATI Roopesh C.</li> <li>JOHNSON Michael C.</li> </ol> </li> </ol></li></ul>
(62) Divisional to Application Number Filing Date	<sup>1</sup> :NA :NA	

(57) Abstract :

A connection state system is described herein that allows a client to resume a connection with a server or a different replacement server by remotely storing client state information in association with a resume key. The system provides a resume key filter operating at the server that facilitates the storing of volatile server state information. The state information can include information such as oplocks leases granted to a client and in flight operations on a file handle. The resume key filter driver sits above the file system which allows multiple file access protocols to use the filter. Upon a failover event such as a server going down or losing connectivity to a client the system can bring up another server or the same server and reestablish state for file handles held by various clients using the resume key filter.

No. of Pages : 21 No. of Claims : 15

(21) Application No.4007/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :22/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : REAL TIME MEDIA OPTIMIZATION OVER REMOTED SESSIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:12/967100 :14/12/2010 :U.S.A. :PCT/US2011/062269 :28/11/2011 :WO 2012/082347 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)MICROSOFT CORPORATION <ul> <li>Address of Applicant :One Microsoft Way Redmond</li> </ul> </li> <li>Washington 98052 6399 U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)SHEIH Guo Wei</li> <li>2)SRINIVISAN Srivatsa K.</li> <li>3)VELAYUTHAM Senthil K.</li> <li>4)MAHAJAN Rajneesh</li> <li>5)IYER Subhashri</li> <li>6)KHAN Humayum</li> </ul> </li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	6)KHAN Humayun
5		

(57) Abstract :

Real time media optimization may be provided. First a remote session may be established with a remote computing device. Then during the remote session non real time media data may be exchanged with the remote computing device over a server path. Moreover real time media data may be exchanged with the remote computing device over a media path during the remote session.

No. of Pages : 21 No. of Claims : 15

(21) Application No.49/CHE/2014 A

# (19) INDIA

(22) Date of filing of Application :06/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : DEVICE AND METHOD FOR PREVENTING LEAKAGE OF AIR BETWEEN MULTIPLE TURBINE COMPONENTS

(51) International classification	:F03D11/00	(71)Name of Applicant :
(31) Priority Document No	:13/790,965	1)GENERAL ELECTRIC COMPANY
(32) Priority Date	:08/03/2013	Address of Applicant :1 RIVER ROAD, SCHENECTADY,
(33) Name of priority country	:U.S.A.	NEW YORK 12345 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)CHAN, GEORGE JOE-KUENG
(87) International Publication No	: NA	2)CORREIA, VICTOR HUGO SILVA
(61) Patent of Addition to Application Number	:NA	3)HANNWACKER, DAVID
Filing Date	:NA	4)PROCTOR, ROBERT
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A turbine comprising a first turbine component being of a first material having a first coefficient of thermal expansi<sup>3</sup>n. A second turbine component being of a second material having a second coefficient of thermal expansi<sup>3</sup>n, said second turbine component adjacent said first turbine component. A space between said first and second turbine components. A seal assembly sealing said space, wherein at least a portion of said seal assembly has a coefficient of thermal expansi<sup>3</sup>n substantially similar to at least one of said first or second turbine components to thereby maintain a seal in said space during thermal expansi<sup>3</sup>n or contraction of said first and second turbine components.

No. of Pages : 27 No. of Claims : 10

#### (19) INDIA

(22) Date of filing of Application :06/11/2013

(21) Application No.5003/CHE/2013 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD AND APPARATUS FOR MANAGING MESSAGE IN ELECTRONIC DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li></ul>	:10-2012-	<ul> <li>(71)Name of Applicant :</li> <li>1)SAMSUNG ELECTRONICS CO., LTD.</li></ul>
Filing Date <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li>	0127423	Address of Applicant :129, Samsung-ro, Yeongtong-gu,
Filing Date <li>(62) Divisional to Application Number</li>	:12/11/2012	Suwon-si, Gyeonggi-do, Republic of Korea. <li>(72)Name of Inventor :</li> <li>1)Young-Keun CHOI</li>
Filing Date	:NA	

(57) Abstract :

A method for an electronic device displays in display image, content of a plurality of transmitted and received conversation messages. In an aspect, the messages may be displayed for an individual date, sequentially collated by date and time. In response to at least one detected touch on a touch screen, the method may compress at least one of (a) the transmitted or (b) received, conversation messages and displays an image element representing at least one of the compressed conversation messages.

No. of Pages : 52 No. of Claims : 15

(21) Application No.8814/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :01/11/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : ADAPTIVE RF SATURATION DETECTION IN A WIRELESS DEVICE IMPLEMENTING MULTIPLE WIRELESS PROTOCOLS

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> </ul></li></ul>	:H03F3/195,H03G3/30,H04B1/40 :13/110470 :18/05/2011 :U.S.A. :PCT/US2012/038619 :18/05/2012 :WO 2012/159050 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :ATTN: International IP Administration</li> <li>5775 Morehouse Drive San Diego California 92121 1714 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)YUCEK Tevfik</li> <li>2)SANKARAN Sundar G.</li> <li>3)PETRUS Paul</li> </ul>
Number Filing Date	:NA :NA	

#### (57) Abstract :

System and method for detecting radio frequency (RF) saturation in a wireless device configured to simultaneously receive first signals according to a first wireless protocol and second signals according to a second wireless protocol. Signals having components of both the first and second signals may be received at a shared gain element. A level of saturation of the shared gain element may be determined. A current definition of a saturation event may be determined. A gain adjustment value may be determined based on the level of saturation and the current definition of a saturation event. A gain value of the shared gain element may be adjusted by the determined gain adjustment value.

No. of Pages : 36 No. of Claims : 20

#### (19) INDIA

(22) Date of filing of Application :14/03/2013

(21) Application No.1082/CHE/2013 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ACCOMMODATION SECTION STRUCTURE FOR SADDLE TYPE VEHICLE

(51) Interneticuel alereiticue	DCOL	(71)Norma of Armiliante
(51) International classification	:B62J	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)HONDA MOTOR CO., LTD.
	065152	Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME,
(32) Priority Date	:22/03/2012	MINATO-KU, TOKYO, 107-8556 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)MARUYAMA, TOMOYUKI
Filing Date	:NA	2)YOKOUCHI, KOHEI
(87) International Publication No	: NA	3)SHINMURA, HIROYUKI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

An accommodation section structure for a saddle type vehicle is provided wherein a state of an accommodation article in an accommodation section can be confirmed and the accommodation article is taken in and out readily. [Solving Means] An accommodation section structure for a saddle type vehicle includes a front portion cover 13 0 which covers a front portion of the vehicle, a seat configured to be seated by an occupant, an article accommodation section 132 provided in the front portion cover 130, an opening 142 formed on a wall face of the accommodation section 132 on the seat side, and a left side lid 134 configured to openably close the opening 142. An upper face cover 13 9 of the accommodation section 132 is configured from a transparent member. A tray 144 is provided in a neighboring relationship with the upper face cover 13 9 in the accommodation section 132 below the upper face cover 13 9. A holder 147 on which a mobile terminal P is to be placed is provided on the tray 144. A slide mechanism configured to support the holder 147 for sliding movement on the tray 144 and expose the holder 147 from the opening 142 in a state in which the holder 147 is slidably moved is provided

No. of Pages : 78 No. of Claims : 8

(21) Application No.242/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :10/01/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : CONVERSION DEVICE, PERIPHERAL DEVICE, AND PROGRAMMABLE LOGIC CONTROLLER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> </ul>	:H03K :NA :NA :NA :PCT/JP2012/058190 :28/03/2012 :WO/2013/145170 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)MITUSUBISHI ELECTRIC CORPORATION Address of Applicant :7-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 100-8310. Japan</li> <li>(72)Name of Inventor :</li> <li>1)TOGANO, KENTARO</li> <li>2)UKENA, SATORU</li> </ul>
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

To output a waveform as quick as possible and enable debugging of an output waveform, a D/A conversion device 100 includes a waveform-data-string storage area 142 that stores therein a waveform data string including a plurality of digital values, a waveform-output-control-data storage area 144 in which operation-mode specifying data and update request data are written, a digital-value output unit 133 that, when the operation-mode specifying data specifies an automatic control mode, while sequentially updating an address to be read in the waveform-data-string storage area 142 for each output period set in advance, sequentially reads and outputs a digital value and that, when the operation-mode specifying data specifies a step execution mode or an output-address change mode, while updating the address to be read at a timing when the update request data is written, reads and outputs the digital value, and a D/A conversion unit 120 that converts the digital value output from the digital-value output unit 133 into an analog value.

No. of Pages : 30 No. of Claims : 9

#### (21) Application No.5501/CHE/2013 A

# (19) INDIA

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : METHOD OF PES	Γ CONTROL	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K :201210533805.3 :11/12/2012 :China :NA :NA :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ul> <li>1)BEIJING DABEINONG TECHNOLOGY GROUP CO.,</li> <li>LTD.</li> <li>Address of Applicant :No. 14 Floor Zhongguancun Building,</li> <li>No. 27 Zhongguancun Street, Haidian District, Beijing 100080, P.</li> <li>R. China China</li> <li>2)BEIJING DABEINONG TECHNOLOGY GROUP CO.,</li> <li>LTD., BIOTECH CENTER</li> <li>3)BEIJING GREEN AGROSINO PLANT PROTECTION</li> <li>TECHNOLOGY CO., LTD.</li> <li>(72)Name of Inventor : <ul> <li>1)Yuejing KANG</li> <li>2)Aihong ZHANG</li> <li>3)Jie PANG</li> <li>4)Dengyuan WANG</li> <li>5)Haili LIU</li> <li>6)Jincun HUANG</li> <li>7)Xuesong WEI</li> <li>8)Chunle LI</li> <li>9)Kangle TIAN</li> <li>10)Qingfang SONG</li> </ul> </li> </ul></li></ul>

(57) Abstract :

The present invention relates to a method for controlling Conogethes punctiferalis, which comprises contacting Conogethes punctiferalis with Cry1F protein. The present invention achieves the control of Conogethes punctiferalis by enabling plant to produce Cry1F protein in vivo, which is lethal to Conogethes punctiferalis. In comparison with current agricultural control method, chemical control method and biological control method, the method of the present invention can control Conogethes punctiferalis throughout the growth period of the plants and provide a full protection. Additionally, the method is stable, complete, simple, convenient, economical, pollution-free and residue-free.

No. of Pages : 49 No. of Claims : 19

(21) Application No.8989/CHENP/2013 A

### (19) INDIA

(22) Date of filing of Application :08/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR IDENTIFYING ANTIBIOTIC TARGETS BY COMPLEMENTED SEQUENCING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> </ul>	:C12N15/10 :1107516.5 :05/05/2011 :U.K.	<ul> <li>(71)Name of Applicant :</li> <li>1)DISCUVA LIMITED</li> <li>Address of Applicant :260 Science Park Milton Road</li> <li>Cambridge CB4 0WE U.K.</li> </ul>
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:PCT/GB2012/000403 :03/05/2012 :WO 2012/150433 :NA	<ul> <li>(72)Name of Inventor :</li> <li>1)WILLIAMS David Hugh</li> <li>2)TURNER Arthur Keith</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract :

Disclosed is a method for identifying an essential gene which serves as an antibiotic target in a bacterium the method comprising the steps of: (a) generating an antibiotic resistant mutant of said bacterium by a method comprising the step of selecting for growth in the presence of said antibiotic to produce an antibiotic resistant mutant clone (Ab mutant); (b) transforming the Ab mutant with: (i) one or more essential genes of said bacterium; and (ii) a transposon which insertionally inactivates bacterial DNA to produce a pool of transposon mutants which are merodiploid for said one or more essential genes; (c) growing bacteria from the merodiploid pool in the presence of different amounts of said antibiotic to produce two or more test cultures; and (d) comparing the distribution of transposon insertions between test cultures to identify a putative essential gene serving as a target of said antibiotic in said bacterium.

No. of Pages : 38 No. of Claims : 51

(21) Application No.3871/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :16/05/2013

(54) Title of the invention : ACTUATION OF AN INTERCEPTING APPARATUS

(43) Publication Date : 21/11/2014

#### (51) International classification :B66B5/18,B66B5/20 (71)Name of Applicant : (31) Priority Document No :10195791.8 1)INVENTIO AG (32) Priority Date :17/12/2010 Address of Applicant :Seestrasse 55 CH 6052 Hergiswil (33) Name of priority country :EPO Switzerland (86) International Application No :PCT/EP2011/072275 (72)Name of Inventor : Filing Date :09/12/2011 1)L‰GERET Beno®t (87) International Publication No :WO 2012/080104 2)BIRRER Eric (61) Patent of Addition to Application **3)JUNIG Marcus** :NA Number 4)ZIMMERLI Philipp :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

In the case of this lift installation (1) a car (3 4) contains an intercepting apparatus (11) which is arranged on the car and is intended for braking and securing the car (3 4) as required on the guide rail (9) or on a braking rail. The intercepting apparatus (11) is connected to an arrangement for actuating the intercepting apparatus (18) it also being possible for this arrangement to actuate the intercepting apparatus (11). The arrangement for actuating the intercepting apparatus (18) contains a driving body (20) which can be pressed if required against the lift shaft preferably against the guide rail or braking rail (9) wherein the intercepting apparatus (11) is actuated by relative movement between the intercepting apparatus (11) and the driving body (20) pressed against the lift shaft. The driving body (20) contains for this purpose a curved driving surface (21) which is brought into engagement if required with the lift shaft or with the guide rail or braking rail (9).

No. of Pages : 32 No. of Claims : 15

(21) Application No.3872/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : CONNECTING STRUCTURE FOR ELECTRONIC DEVICES

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:H01R13/717,H01R13/66,H01R13/64 :2010259278 :19/11/2010	<ul> <li>(71)Name of Applicant :</li> <li>1)YAZAKI CORPORATION Address of Applicant :4 28 Mita 1 chome Minato ku Tokyo 1088333 Japan</li> </ul>
(33) Name of priority country	:Japan	(72)Name of Inventor : 1)MOCHIZUKI Shinji
(86) International Application No Filing Date	:PCT/JP2011/077281 :18/11/2011	
(87) International Publication No	:WO 2012/067274	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

In a connecting structure for electronic devices a housing is configured to be inserted into a cover and a terminal is accommodated in the housing to hold an electronic device inserted therein. A terminal accommodating chamber in the housing accommodates the terminal. An opening part is formed in a forward end surface of the housing in a first direction in which the housing is inserted into the cover and communicates with the terminal accommodating chamber so that the electronic device is inserted therethrough. A positioning part is provided in the terminal accommodating chamber and is configured to come in contact with a forward end of the electronic device in a insertion direction of the electronic device so as to position the electronic device in the second direction.

No. of Pages : 32 No. of Claims : 3

(22) Date of filing of Application :04/10/2013

(19) INDIA

(21) Application No.8064/CHENP/2013 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : DRIVER INTERACTION PERTAINING TO REFERENCE SPEED REGULATING CRUISE CONTROL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:B60K :11504420 :16/05/2011 :Sweden :PCT/SE2012/050489 :09/05/2012 :WO 2012/158098	<ul> <li>(71)Name of Applicant :</li> <li>1)SCANIA CV AB Address of Applicant :S 151 87 Sdertlje Sweden</li> <li>(72)Name of Inventor :</li> <li>1)JOHANSSON Oskar</li> <li>2)S-DERGREN Maria</li> <li>3)ROOS Fredrik</li> </ul>
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:WO 2012/158098 :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a method for a reference speed regulating cruise control and to a reference speed regulating cruise control which demands from an engine system a reference speed vwhich may differ from a chosen set speed v. According to the invention adjustment of at least said set speed vis allowed if said reference speed vdiffers from said set speed v which adjustment is based at least partly on a current speed vof said vehicle and on input from a user of said reference speed regulating cruise control. Quick and simple user controlled adjustment of the set speed vis thus achieved.

No. of Pages : 33 No. of Claims : 12

(21) Application No.8999/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :08/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : APPARATUS AND METHOD FOR OPTICALLY ISOLATING A LIGHT BEAM FROM A LASER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:G02B6/32,G02B6/42 :1108470.4 :19/05/2011 :U.K. :PCT/GB2012/000451	<ul> <li>(71)Name of Applicant :</li> <li>1)SPI LASERS UK LIMITED Address of Applicant :3 Wellington Park Tollbar Hedge End Southampton SO30 2QU U.K.</li> <li>(72)Name of Inventor :</li> </ul>
<ul> <li>(60) International Application No</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:21/05/2012 :WO 2012/156678 :NA :NA :NA	1)DURKIN Michael Kevan 2)INGRAM Stewart Thomas

#### (57) Abstract :

Apparatus for optically isolating a light beam from a laser which apparatus comprises an optical input (1) for the light beam (2) an input lens (25) an optical isolator (3) an output connector (4) and a first lens arrangement (6). The optical isolator (3) is selected to isolate a light beam (2) having an average power greater than approximately 1 W which light beam (2) is characterized by a pre determined beam quality (7) defined by an M2 value. The input lens (25) is positioned before the isolator (3) is selected based upon the pre determined beam quality (7) and focuses the light beam (2) through the isolator (3) such that a beam diameter (19) of the light beam (2) varies by more than five percent within the optical isolator (3). The output connector (4) is located at the output (8) of the optical isolator (3). The output connector (4) comprises a surface forming a reference plane (5). The first lens arrangement (6) is positioned to receive the light beam (2) from the isolator (3). The first lens arrangement (6) is selected based upon the pre¬ determined beam quality (7) of the light beam (2) to provide an output light beam (1 1) having a pre determined divergence (12) allowing a plurality of collimators (9) to be individually connected to the output connector (4) to provide a collimated beam (16) having a light beam from a laser is also provided.

No. of Pages : 38 No. of Claims : 19

(21) Application No.10280/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :26/12/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : ALGAL LIPID COMPOSITIONS AND METHODS OF PREPARING AND UTILIZING THE SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> </ul>	:C12M1/02,C12M1/08,C12N1/12 :61/507390 :13/07/2011 :U.S.A. :PCT/US2012/046696 :13/07/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)ALLTECH INC. Address of Applicant :3031 Catnip Hill Pike Nicholasville Kentucky 40356 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)RANEY Kyle A.</li> <li>2)TIMMONS Rebecca A.</li> </ul>
(87) International Publication No	:WO 2013/010090	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

This invention relates to compositions comprising high lipid content algae and methods of making and utilizing the same. In particular the invention relates to high lipid content algae biomass and algal lipid materials derived from the same methods of making the same as well as to biofuels (e.g. biodiesel) and dietary compositions (e.g. animal feeds) comprising or made from the same. Compositions and methods of the invention find use in a variety of applications including biofuel dietary (e.g. human and animal nutrition) therapeutic as well as research applications.

No. of Pages : 80 No. of Claims : 32

(21) Application No.1321/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :19/02/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : ELECTRICALLY CONDUCTIVE METAL COATED FIBERS CONTINUOUS PROCESS FOR PREPARATION THEREOF AND USE THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> </ul>	:C23C18/16,C23C18/20,C23C18/31 :61/367235 :23/07/2010 :U.S.A. <sup>1</sup> :PCT/US2011/044817 :21/07/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)SYSCOM ADVANCED MATERIALS Address of Applicant :1275 Kinnear Road Columbus OH</li> <li>43212 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)LEE Jar Wha</li> <li>2)CHANG Ching</li> </ul>
(87) International Publication No	:WO 2012/012614	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	<sup>1</sup> :NA :NA	

(57) Abstract :

In various embodiments the present application provides electrically conductive metal plated fibers and continuous processes of preparing metal plated fibers. Additionally provided are polymeric articles comprising the provided metal plated fibers or other fibers prepared by the provided process said articles having electromagnetic interference shielding effectiveness.

No. of Pages : 34 No. of Claims : 27

#### (21) Application No.3977/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :21/05/2013

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : COMPLEX FORMULATION COMPRISING LERCANIDIPINE HYDROCHLORIDE AND VALSARTAN AND METHOD FOR THE PREPARATION THEREOF

(51) International classification (31) Priority Document No	:A61K31/4422,A61K31/41,A61K9/16 :1020100125804	<ul> <li>(71)Name of Applicant :</li> <li>1)LG LIFE SCIENCES LTD. Address of Applicant :LG Gwanghwamun Bldg. 92 Sinmunno</li> </ul>
(32) Priority Date	:09/12/2010	2 ga Jongno gu Seoul 110 062 Republic of Korea
(33) Name of priority country	:Republic of Korea	(72)Name of Inventor : 1)CHUNG Young Sik
(86) International Application No Filing Date	:PCT/KR2011/009413 :07/12/2011	2)PARK Soo Ah 3)KIM Ree Sun 4)KIM Sung II
(87) International Publication No	:WO 2012/077968	5)JUHN Jae Hyeon 6)KIM Dong Kyu
(61) Patent of Addition to Application Number Filing Date	:NA :NA	7)KIM Yoo Rin 8)PARK Hee Dong 9)PARK Seong Jae
(62) Divisional to Application Number Filing Date	:NA :NA	10)LEE Sung Hack 11)KIM Ju Hyun 12)JUNG Min Young

(57) Abstract :

The present invention relates to a pharmaceutical composition comprising lercanidipine hydrochloride and valsartan as active components and a method for the preparation thereof. The pharmaceutical composition comprising lercanidipine hydrochloride and valsartan according to the present invention has a superior effect on the prevention and treatment of cardiovascular diseases and their complex diseases and reduces the adverse effects of each component. In addition the present composition comprises lercanidipine hydrochloride and valsartan in a separated form so as to increase the dissolution rates of both components and reduce the adverse effects.

No. of Pages : 32 No. of Claims : 13

(21) Application No.3978/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ASSEMBLY COMPRISING AT LEAST ONE OPTICAL FIBRE AND A MOUNTING DEVICE

(51) International classification	:G02B6/255,H01B11/22,H04B10/12	(71)Name of Applicant : 1)ALCATEL LUCENT
(31) Priority Document No	:10306176.8	Address of Applicant :3 avenue Octave Grard F 75007 Paris
(32) Priority Date	:27/10/2010	France
(33) Name of priority country	y:EPO	(72)Name of Inventor :
(86) International Application No	:PCT/EP2011/067983 :14/10/2011	1)SCHUMACHER Otto 2)BRUNSCH Dietmar
Filing Date		
(87) International Publication No	<sup>1</sup> :WO 2012/055710	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to an assembly (AS) comprising at least one optical fibre (FB1 ... FB6) and a mounting device (EF) the at least one fibre protrudes from the mounting device (EF) and the mounting device (EF) is adapted to terminate a tube (TUB) for inserting the at least one optical fibre (FB1 ... FB6). The invention further relates to a method for mounting the assembly (AS).

No. of Pages : 21 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :11/11/2013

(21) Application No.9014/CHENP/2013 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : WIND TURBINE BLADE WITH NOISE REDUCTION DEVICES AND RELATED METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F03D1/06 :11166249.0 :16/05/2011 :EPO :PCT/EP2012/058906 :14/05/2012 :WO 2012/156359 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LM WP PATENT HOLDING A/S Address of Applicant :Jupitervej 6 DK 6000 Kolding Denmark</li> <li>(72)Name of Inventor :</li> <li>1)YAO Qingshan</li> </ul>
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(57) Abstract :

The present disclosure relates to a wind turbine blade in particular a wind turbine blade having devices or structures for reducing noise generated by the wind turbine blade during use and related method. The wind turbine blade comprises at least a first longitudinal section having a cross section perpendicularly to a longitudinal direction the cross section having a plurality of flow modulating devices including a first primary flow modulating device and a secondary flow modulating device for modulating noise spectra wherein the first primary flow modulating device and the first secondary flow modulating device are spaced perpendicularly to the longitudinal direction. Also disclosed is a method of retrofitting a wind turbine blade.

No. of Pages : 32 No. of Claims : 16

(21) Application No.8830/CHENP/2012 A

### (19) INDIA

(22) Date of filing of Application :16/10/2012

(43) Publication Date : 21/11/2014

# (54) Title of the invention : 3-(HETEROARYL-AMINO)-1,2,3,4-TETRAHYDRO-9H-CARBAZOLE DERIVATIVES AND THEIR USE AS PROSTAGLANDIN D2 RECEPTOR MODULATORS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:PCT/IB2010/051228 :22/03/2010 :PCT	<ul> <li>(71)Name of Applicant :</li> <li>1)ACTELION PHARMACEUTICALS LTD. Address of Applicant :GEWERBESTRASSE 16, CH-4123</li> <li>ALLSCHWIL Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)AISSAOUI, HAMED</li> </ul>
(87) International Publication No	:WO 2011/117798 A1	2)FRETZ, HEINZ 3)HAZEMANN, JULIEN
(61) Patent of Addition to Application Number Filing Date	:NA :NA	4)RICHARD-BILDSTEIN, SYLVIA 5)SIEGRIST, ROMAIN
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

(EN)The present invention relates to 3-(heteroaryl-amino)-1,2,3,4-tetrahydro-9H-carbazole derivatives of the formula (I), wherein R1, R2 and R3 are as described in the description and their use as prostaglandin receptor modulators, most particularly as prostaglandin D2 receptor modulators, in the treatment of various prostaglandin-mediated diseases and disorders, to pharmaceutical compositions containing these compounds and to processes for their preparation.

No. of Pages : 72 No. of Claims : 14

(21) Application No.9040/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :11/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : JOINT PROSTHESIS HAVING A BENDING HINGE THAT COMPRISES A SPREADING AXLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:11163204.8 :20/04/2011 :EPO :PCT/EP2012/057165 :19/04/2012 :WO 2012/143445 :NA :NA	<ul> <li>(71)Name of Applicant : <ul> <li>1)DERU GMBH</li> <li>Address of Applicant :Oststrasse 4 10 22844 Norderstedt</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)BARTELS Carolin</li> <li>2)DMUSCHEWSKY Klaus</li> <li>3)IREDI Marco</li> </ul> </li> </ul>
Filing Date	:NA	

(57) Abstract :

The invention relates to a joint prosthesis having a bending hinge which is formed by a hinge fork and an axle pin (4) which comprises two axle stubs (42 43) which are arranged in an installation position for insertion in which installation position the axle stubs are retracted in a coupling piece (3) and in an expanded position after implantation by movement in the axial direction into aligned hinge holes of the hinge fork wherein the axle pin (4) has two bearing areas (41) at the ends of the axle pin and a joining area (40) lying therebetween and the axle pin is separated in the joining area (40) along a plane (49) extending in the axial direction which plane intersects with the jacket of the axle pin (4) at two points.

No. of Pages : 20 No. of Claims : 16

(21) Application No.9041/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :11/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : MEDICAMENT DELIVERY DEVICE AND METHOD OF CONTROLLING THE DEVICE

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li></ul>	:A61M5/142,A61M5/20,A61M5/145 :11167531.0	<ul> <li>(71)Name of Applicant :</li> <li>1)SANOFI AVENTIS DEUTSCHLAND GMBH Address of Applicant :Br¼ningstrasse 50 65929 Frankfurt am</li> </ul>
(32) Priority Date	:25/05/2011	Main Germany
(33) Name of priority country	:EPO	(72)Name of Inventor : 1)EGGERT Ilona
(86) International Application No Filing Date	:PCT/EP2012/059747 :24/05/2012	2)LANGLEY Christopher Nigel 3)DAY Shane Alistair
(87) International Publication No	:WO 2012/160156	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A medicament delivery device is shown for the administration of one or more drug agents. The device has a priming mode and a drug delivery mode for administering delivery of the one or more drug agents. The device comprises a controller configured to set the device in a priming mode when one or more predetermined states of the device are identified and to disable the drug delivery mode during said predetermined state(s). When states of the device are different from said predetermined states the controller can set the device in the drug delivery mode. A priming mode may still be enabled through a user interface.

No. of Pages : 53 No. of Claims : 17

(21) Application No.9043/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :11/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : LATCHING CIRCUITS FOR MEMS DISPLAY DEVICES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:G09G3/34 :61/492201 :01/06/2011 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)PIXTRONIX INC.</li> <li>Address of Applicant :c/o Qualcomm Incorporated Attn:</li> <li>International IP Administration 5775 Morehouse Drive San Diego</li> </ul>
(86) International Application No Filing Date	:PCT/US2012/040236 :31/05/2012	California 92121 1714 U.S.A. (72) <b>Name of Inventor :</b>
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2012/166939 :NA	1)MIYAZAWA Toshio 2)MIYAMOTO Mitsuhide
Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The described latching circuits can be formed using transistors of a single conductivity type. The transistors can be n type transistors or p type transistors. The latching circuits include at least one pre charge transistor and at least one output terminal discharge transistor. Timing schemes are also described for operating the latching circuits. Pixel circuits and display devices that include these latching circuits are also described. The display devices are formed from an arrangement of the latching circuits.

No. of Pages : 54 No. of Claims : 20

(21) Application No.9044/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :11/11/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD AND APPARATUS FOR UNSUPERVISED TRAINING OF INPUT SYNAPSES OF PRIMARY VISUAL CORTEX SIMPLE CELLS AND OTHER NEURAL CIRCUITS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G06N3/063 :13/115154 :25/05/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM Incorporated Address of Applicant :Attn: International Ip Administration</li> </ul>
<ul><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:U.S.A.	5775 Morehouse Drive San Diego CA 92121 U.S.A. (72) <b>Name of Inventor :</b>
Filing Date (87) International Publication No	:PC1/032012/039704 :25/05/2012 :WO 2012/162663	1)APARIN Vladimir
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

Certain aspects of the present disclosure present a technique for unsupervised training of input synapses of primary visual cortex (V1) simple cells and other neural circuits. The proposed unsupervised training method utilizes simple neuron models for both Retinal Ganglion Cell (RGC) and V1 layers. The model simply adds the weighted inputs of each cell wherein the inputs can have positive or negative values. The resulting weighted sums of inputs represent activations that can also be positive or negative. In an aspect of the present disclosure the weights of each V1 cell can be adjusted depending on a sign of corresponding RGC output and a sign of activation of that V1 cell in the direction of increasing the absolute value of the activation. The RGC to V1 weights can be positive and negative for modeling ON and OFF RGCs respectively.

No. of Pages : 24 No. of Claims : 21

(21) Application No.5490/CHE/2013 A

# (19) INDIA

(22) Date of filing of Application :28/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : COMMUNICATIONS NETWORK, COMPUTER SYSTEM, COMPUTER-IMPLEMENTED METHOD, AND COMPUTER PROGRAM PRODUCT FOR PROVIDING A FEMTOCELL-BASED INFRASTRUCTURE FOR MOBILE ELECTRONIC PAYMENT

(51) International classification	:H04W	(71)Name of Applicant :
(31) Priority Document No	:13 425 028.	1)ACCENTURE GLOBAL SERVICES LIMITED
(31) Thomy Document No	1	Address of Applicant :3 GRAND CANAL PLAZA, GRAND
(32) Priority Date	:15/02/2013	CANAL STREET UPPER, DUBLIN 4, IRELAND Ireland
(22) Name of mignity country	:EUROPEAN	(72)Name of Inventor :
(33) Name of priority country	UNION	1)Giuseppe CAPUOZZO
(86) International Application No	:NA	2)Gianluca D'ANGELO
Filing Date	:NA	3)Orlando ONORATO
(87) International Publication No	: NA	4)Alessandro IMPARATO
(61) Patent of Addition to Application Number	:NA	5)Daniele D'ERRICO
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In one aspect, the present application is directed to a communications network, a computer system, a computer-implemented method, and a computer program product for providing a femtocell-based infrastructure for mobile electronic payment. In an aspect, the communications network may comprise a mobile operator network; a local area in the mobile operator network, wherein the local area is under coverage of at least one femtocell; and a femtocell-based payment system connected to the mobile operator network, wherein the femtocell-based payment via a user device recognized by the at least one femtocell within the local area and notified by the femtocell-based payment system.

No. of Pages : 36 No. of Claims : 15

#### (21) Application No.8736/CHENP/2012 A

#### (19) INDIA

(22) Date of filing of Application :11/10/2012

(43) Publication Date : 21/11/2014

(54) Title of the invention : AXIAL FLO	OW COMPRESSOR	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F04D29/34,F04D29/053 :2010060579 :17/03/2010 :Japan :PCT/JP2011/001512 :15/03/2011 :WO 2011/114715 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)Tokyo Electric Power Company Incorporated Address of Applicant :1 3 Uchisaiwai cho 1 chome Chiyoda ku Tokyo 1008560 Japan</li> <li>2)Chubu Electric Power Company Incorporated</li> <li>3)THE KANSAI ELECTRIC POWER CO. INC.</li> <li>4)KABUSHIKI KAISHA KOBE SEIKO SHO</li> <li>5)DANISH TECHNOLOGICAL INSTITUTE</li> <li>6)JOHNSON CONTROLS DENMARK APS</li> <li>(72)Name of Inventor :</li> <li>1)NAKAYAMA Yoshihiro</li> <li>2)BABA Yoshitaka</li> <li>3)IDE Satoshi</li> <li>4)IIZUKA Koichiro</li> <li>5)FUJISAWA Ryo</li> <li>6)TOSHIMA Masatake</li> <li>7)SUTO Kunihiko</li> <li>8)KURASHIGE Kazutaka</li> <li>9)SAKURABA Ichirou</li> <li>10)HAYASHI Daisuke</li> <li>11)SUGANO Keiji</li> <li>12)RASMUSSEN Svend</li> <li>13)AL JANABI Ziad</li> <li>14)JENSEN Finn</li> <li>15)MOLLER Lars Bay</li> <li>16)MADSBOLL Hans</li> <li>17)SVARREGAARD JENSEN Christian</li> <li>18)DAMGAARD KRISTENSEN Klaus</li> </ul>

#### (57) Abstract :

An axial flow compressor 10 includes: a rotor 31 having a rotor vane 34; a first pressing member 41 joined to one end surface of the rotor 31; a second pressing member 42 joined to the other end surface of the rotor 31; a rotor shaft portion 46 penetrating the first pressing member 41, the rotor 31 and the second pressing member 42; and a nut 43 which fixes the first pressing member 41 and the second pressing member 42 on the rotor shaft portion 46 with the first pressing member 41 and the second pressing member 42 not the rotor shaft portion 46 with the first pressing member 41 and the second pressing member 42 holding the rotor 31 between. The rotor shaft portion 46 is made of a material having a lower linear expansion coefficient than that of a material making at least a part of the rotor 31. The material making at least a part of the rotor 31 may be aluminum or aluminum alloy.

No. of Pages : 30 No. of Claims : 9

(21) Application No.9151/CHENP/2013 A

## (19) INDIA

(22) Date of filing of Application :14/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PRESSING OF TRANSFORMER WINDINGS DURING ACTIVE PART DRYING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> </ul>	:28/05/2012 :WO 2012/163872 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ABB RESEARCH LTD Address of Applicant : Affolternstrasse 44 CH 8050 Z<sup>1</sup>/<sub>4</sub>rich </li> <li>Switzerland  (72)Name of Inventor : 1)ANGER Jan 2)G,,FVERT Uno 3)GIRLANDA Orlando 4)GOERANSSON David 5)CABRAJIC Zdenko</li></ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a method and arrangement for pressing of windings assembled onto a transformer. The method comprises applying pressing force on the windings and controlling the pressing force on the windings during drying of transformer active part. Thus before the drying process commences the windings are assembled onto the transformer core and pressing force is applied to the windings assembled onto a respective transformer core limb wherein an individual pressing force is applied to the respective winding. This individual pressing force applied to the respective winding is then controlled during the process of drying the transformer active part. The windings will as a result advantageously be effectively compressed onto the core and stabilized.

No. of Pages : 21 No. of Claims : 15

(21) Application No.9152/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :14/11/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METHOD AND DEVICE FOR PRODUCING A CRIMPED MULTIFILAMENT THREAD

(51) International classification	:D02G1/12,D02G3/34	(71)Name of Applicant :
(31) Priority Document No	:10 2011 104 289.3	1)OERLIKON TEXTILE GMBH & CO. KG
(32) Priority Date	:16/06/2011	Address of Applicant : Leverkuser Strasse 65 42897
(33) Name of priority country	:Germany	Remscheid Germany
(86) International Application No	:PCT/EP2011/066535	(72)Name of Inventor :
Filing Date	:22/09/2011	1)STNDL Mathias
(87) International Publication No	:WO 2012/171590	2)KAULITZKI Marco
(61) Patent of Addition to Application	:NA	3)MATTHIES Claus
Number	:NA :NA	4)LENNEMANN Friedrich
Filing Date	.NA	5)HUBERT Christian
(62) Divisional to Application Number	:NA	6)LEGGE Ludger
Filing Date	:NA	7)WESTPHAL Jan

(57) Abstract :

The invention relates to a method and a device for producing a crimped multifilament thread. Here a multiplicity of filaments are extruded by means of a spinning machine and cooled and subsequently treated by a drawing device and a crimping device to form a crimped thread. Before the thread is wound up to form a bobbin a multiplicity of intertwining knots are produced on the crimped thread by a treatment device. In order to obtain defined patterns of the intertwining knots within the thread according to the invention a pulse sequence of compressed air pulses at a predefined frequency is directed at the thread. To this end the treatment device has a controllable blowing means.

No. of Pages : 28 No. of Claims : 14

(21) Application No.3846/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :15/05/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD AND PRODUCTION UNIT FOR PRODUCING FIBRE COMPOSITE MATERIAL COMPONENTS

(51) International classification	:B29C70/38	(71)Name of Applicant .
		(71)Name of Applicant :
(31) Priority Document No	:10 2010 044 175.9	1)MAG IAS GmbH
(32) Priority Date	:19/11/2010	Address of Applicant :Stuttgarter Strasse 50 73033 Gppingen
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2011/070418	(72)Name of Inventor :
Filing Date	:18/11/2011	1)PAUSE Bernhard
(87) International Publication No	:WO 2012/066109	2)BOGE Christian
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In a method and a production unit for producing fibre composite material components a first web (B) of the fibre composite material (2) is first applied to a component mould (3) by means of an application tool (41) arranged on a positioning device (4). A height profile of the applied first web (B) is measured by means of a height profile measuring sensor (56 57). During the subsequent application of a second web (B) of the fibre composite material (2) to the component mould (3) a control device activates at least one drive motor of the positioning device (4) in dependence on the measured height profile in such a way as to avoid application errors such as for example an overlapping of the webs (B B). The webs (B B) are applied in opposite application directions (55 55) the application tool (41) being rotated through 180° relative to the positioning device (4) when there is a change of application direction (55 55).

No. of Pages : 27 No. of Claims : 12

(21) Application No.59/CHE/2014 A

# (19) INDIA

(22) Date of filing of Application :06/01/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : SUPPLEMENTAL HEATING AND COOLING SOURCES FOR A HEATING, VENTILATION AND AIR CONDITIONING SYSTEM

	5245	
(51) International classification	:F24F	(71)Name of Applicant :
(31) Priority Document No	:13/753,717	1)HALLA VISTEON CLIMATE CONTROL CORP.
(32) Priority Date	:30/01/2013	Address of Applicant :95 SINILSEO-RO, DAEDEOK-GU,
(33) Name of priority country	:U.S.A.	DAEJEON 306-230 Republic of Korea
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)GOENKA, LAKHI NANDLAL
(87) International Publication No	: NA	2)HAUPT, ERIC KEITH
(61) Patent of Addition to Application Number	:NA	3)CRANDALL, HEIDI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An HVAC system includes a primary HVAC unit and a supplemental heat exchanger. The primary HVAC unit is disposed within a passenger compartment region of a motor vehicle and configured for at least one of heating and cooling a passenger compartment. The supplemental heat exchanger is spaced apart from the primary HVAC unit and also disposed within the passenger compartment region of the motor vehicle. The supplemental heat exchanger is configured to supplement at least one of the heating and the cooling of the passenger compartment by the primary HVAC unit.

No. of Pages : 18 No. of Claims : 20

(19) INDIA

#### (22) Date of filing of Application :30/01/2013

(21) Application No.751/CHENP/2013 A

(43) Publication Date : 21/11/2014

## (54) Title of the invention : BUMPER ASSEMBLY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:B60R19/03,B62D21/15 :61/370142 :03/08/2010 :U.S.A. :PCT/EP2011/003893 :03/08/2011 :WO 2012/016692 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)COSMA ENGINEERING EUROPE AG Address of Applicant :Magnastrasse 1 A 2522</li> <li>Oberwaltersdorf Austria</li> <li>(72)Name of Inventor :</li> <li>1)BLMEL Michael</li> <li>2)HENGST Christian</li> <li>3)LINDTNER Ernst</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A method of making a beam box crash management system comprises forming a first shell (100a) from a first sheet metal blank by a hot forming process. The first shell has a high tensile strength beam portion (102a) and integrally formed therewith a first low yield strength crash box portion (104a) proximate a first end of the beam portion and a second low yield strength crash box portion proximate a second end of the beam portion. The first shell also having an open face extending continuously along the beam portion and each of the first and second crash box portions (104a 106a). A closing element (100b) is formed from a second sheet metal blank and is fixedly secured adjacent to the open face of the first shell.

No. of Pages : 22 No. of Claims : 12

(21) Application No.876/CHENP/2013 A

### (19) INDIA

(22) Date of filing of Application :04/02/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PROCESS FOR PREPARING DIFLUOROACETIC ACID SALTS THEREOF OR ESTERS THEREOF

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority</li></ul>	:C07C51/363,C07C67/307,C07C53/18 :1003283 :05/08/2010 :France	1)RHODIA OPERATIONS Address of Applicant :40 rue de la Haie Coq F 93306 Aubervilliers France (72)Name of Inventor :
country (86) International Application No Filing Date (87) International Publication No	:PCT/EP2011/062779 :26/07/2011 :WO 2012/016881	1)BUISINE Olivier
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA	

(57) Abstract :

The subject of the present invention is a process for preparing difluoroacetic acid salts thereof or esters thereof. The process of the invention for preparing difluoroacetic acid salts thereof or esters thereof is characterized in that it comprises the reaction in the presence of water of a salt providing a fluoride anion and of monohalogenated or dihalogenated acetic acid in acid salified or esterified form; at least one halogen atom being other than the fluorine atom.

No. of Pages : 16 No. of Claims : 18

(21) Application No.9180/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :16/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : WORKING MEDIUM AND HEAT CYCLE SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:2011112416 :19/05/2011 :Japan	<ul> <li>(71)Name of Applicant :</li> <li>1)ASAHI GLASS COMPANY LIMITED Address of Applicant :5 1 Marunouchi 1 chome Chiyoda ku Tokyo 1008405 Japan</li> <li>(72)Name of Inventor :</li> <li>1)FUKUSHIMA Masato</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention provides the following: a working medium for use in a heat cycle said working medium allowing a heat cycle system with excellent cycle performance (efficiency and capacity) and having little impact on the ozone layer and global warming; and a heat cycle system with excellent cycle performance (efficiency and capacity). A working medium containing 1 2 difluoroethylene is used in a heat cycle system (a Rankine cycle system a heat pump cycle system a refrigeration cycle system (10) a heat transport system or the like).

No. of Pages : 30 No. of Claims : 13

(21) Application No.9182/CHENP/2013 A

### (19) INDIA

(22) Date of filing of Application :16/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ROTATING AN OBJECT ON A SCREEN

(51) International classification	:G06F3/048,G06F3/01,G06T19/20	(71)Name of Applicant :
(31) Priority Document No	:11165263.2	1)KONINKLIJKE PHILIPS N.V.
(32) Priority Date	:09/05/2011	Address of Applicant : High Tech Campus 5 NL 5656 AE
(33) Name of priority country	:EPO	Eindhoven Netherlands
(86) International Application	:PCT/IB2012/052186	(72)Name of Inventor :
No	:02/05/2012	1)CHEN Njin Zu
Filing Date	.02/03/2012	2)LOGGHE Dennis Omer
(87) International Publication No	:WO 2012/153233	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date		

#### (57) Abstract :

An apparatus (1) for rotating objects (40) on screens (9) defines a hand axis (20) in response to 3D position information related to the hands (21 22) of a user and detects a changed orientation of the hand axis (20) with respect to a 3D space and calculates a rotation for the object (40) on the screen (9) in response to said detecting. This way to rotate the object (40) on the screen (9) an imaginary copy of the object (40) is considered to be inside an imaginary ball (41) held by the user which imaginary ball (41) is being rotated. The changed orientation of the hand axis (20) comprises changes in angles between the hand axis (20) and the axes (31 32 33) of the 3D space. To improve stability in case of each one of said changes being unequal to zero the apparatus (1) further detects the angles and compares the respective angles with respective thresholds and reduces or weights the respective changes in response to respective comparison results.

No. of Pages : 14 No. of Claims : 15

(21) Application No.9183/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :16/11/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : SEALING COMPOUND AND CERAMIC DISCHARGE VESSEL COMPRISING SUCH SEALING COMPOUND

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:11165101.4 :06/05/2011 :EPO :PCT/IB2012/052107 :27/04/2012 :WO 2012/153226 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)KONINKLIJKE PHILIPS N.V. Address of Applicant :High Tech Campus 5 NL 5656 AE</li> <li>Eindhoven Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)DENISSEN Cornelis Johannes Maria</li> <li>2)KESSELS Martinus Joseph Maria</li> <li>3)MULDERIJ Ton Reinier</li> </ul>
Filing Date	:NA :NA	

#### (57) Abstract :

Disclosed is a lamp comprising a ceramic discharge vessel (3) with end parts (34) and with electrodes (4) which are connected to a respective external contact via a respective feedthrough (20). Each feedthrough is sealed with a sealing part (40) thereof by a sealing compound (10) in the end part. The discharge vessel gastightly encloses a discharge space into which said two electrodes extend from the end part and which contains an ionizable filling. The sealing compound comprises at least one first component chosen from the group consisting of ruthenium (Ru) iridium (Ir) osmium (Os) and rhenium (Re) and comprises at least one second component chosen from the group consisting of silicium (Si) boron (B) phosphor (P). Thus a halide resistant lamp vessel is obtained exhibiting excellent lifetime characteristics and long lifetimes.

No. of Pages : 22 No. of Claims : 15

(21) Application No.9184/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :16/11/2013

(54) Title of the invention : MEDICAL IMAGE SYSTEM AND METHOD

(43) Publication Date : 21/11/2014

#### (51) International classification :G06T19/00 (71)Name of Applicant : (31) Priority Document No :11165156.8 1)KONINKLIJKE PHILIPS N.V. (32) Priority Date :06/05/2011 Address of Applicant : High Tech Campus 5 NL 5656 AE (33) Name of priority country :EPO Eindhoven Netherlands :PCT/IB2012/052094 (72)Name of Inventor : (86) International Application No 1)HOLTHUIZEN Ronaldus Frederik Johannes Filing Date :26/04/2012 (87) International Publication No :WO 2012/153222 **2)DEN HARDER Johan Michiel** (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Medical image system 100 for enabling a user to navigate through three dimensional [3D] image data showing an anatomical structure by simultaneously displaying a set of views of the 3D image data showing the anatomical structure the system comprising a data input 140 for receiving orientation data 142 a user input 120 for receiving a navigation command 122 from the user a plane processor 160 for in dependence on the navigation command adjusting a spatial configuration of a set of planes 102 for obtaining a further set of planes 162 intersecting the 3D image data and a view processor 180 for in dependence on the further set of planes and the orientation data establishing a further set of views 182 of the 3D image data for displaying the further set of views as an update of the set of views.

No. of Pages : 32 No. of Claims : 14

(21) Application No.9185/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :16/11/2013

(54) Title of the invention : LIGHTING DEVICE AND RECEIVER

(43) Publication Date : 21/11/2014

(51) International classification	:H05B33/08	(71)Name of Applicant :
(31) Priority Document No	:11165095.8	1)KONINKLIJKE PHILIPS N.V.
(32) Priority Date	:06/05/2011	Address of Applicant : High Tech Campus 5 NL 5656 AE
(33) Name of priority country	:EPO	Eindhoven Netherlands
(86) International Application No	:PCT/IB2012/052081	(72)Name of Inventor :
Filing Date	:26/04/2012	1)YANG Hongming
(87) International Publication No	:WO 2012/153220	2)SCHENK Tim Corneel Wilhelmus
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

There is provided a method and corresponding lighting device (100) and a receiver which employs code modulation which provides a compatibility of code modulation in a dimmable lighting system. The lighting device comprises means for dimming the output light (102) which employs multiple dimming modes each representing dimming the light output from lighting device by means of a respective dimming method and means for embedding a code in the light output (103). The means for embedding a code in the light output employs code modulation which is based on controlling the instantaneous dimmed light output from the lighting device such that the integrated value of the dimmed light output during a time period T is modulated to embed the code. The code may then subsequently be extracted from the modulated light by means of an integrate and dump process at a receiver without knowledge of the dimming method and/or dimming level of the lighting device.

No. of Pages : 20 No. of Claims : 15

(21) Application No.675/CHENP/2013 A

### (19) INDIA

(22) Date of filing of Application :28/01/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : METHOD ARRANGEMENT AND PROGRAM FOR EFFICIENT CONFIGURATION OF NETWORK NODES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International</li> <li>Application No Filing Date</li> <li>(87) International Publication</li> </ul>	:PCT/EP2011/003757 :27/07/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)DEUTSCHE TELEKOM AG Address of Applicant :Friedrich Ebert Allee 140 53113 Bonn Germany</li> <li>(72)Name of Inventor :</li> <li>1)KLATT Axel</li> <li>2)MAURER J<sup>1</sup>/<sub>4</sub>rgen</li> </ul>
No	":WO 2012/013338	
<ul> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to</li> </ul>	:NA :NA	
Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a method for the configuration of a network node for use with a public land mobile network (PLMN) wherein the configuration of the network node enables the network node to function as a part of the public land mobile network (PLMN) the public land mobile network (PLMN) having a configuration server entity wherein in a first step the public land mobile network (PLMN) assigns a preliminary Internet Protocol link to the network node in a second step the public land mobile network (PLMN) transmits preliminary configuration parameters to the network node in a third step the network node uses the preliminary configuration parameters to retrieve additional configuration from the configuration server entity within the public land mobile network (PLMN). The present invention further relates to a configuration server a network node and a program comprising a computer readable program code.

No. of Pages : 15 No. of Claims : 13

(21) Application No.9227/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :18/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SMALL WEAR RESISTANT SLEEVE FOR TUYERE OF BLAST FURNACE

		(71)Nome of Applicant.
		(71)Name of Applicant :
(51) International classification	:C21B7/16	1)YANTAI WANLONG VACUUM METALLURGY CO.
(31) Priority Document No	:NA	LTD.
(32) Priority Date	:NA	Address of Applicant :No. 7 Zhongshan StreetGuangzhou
(33) Name of priority country	:NA	Road Economic&Technical Development Zone Yantai Shandong
(86) International Application No	:PCT/CN2011/074401	264006 China
Filing Date	:20/05/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2012/159247	1)WANG Fengde
(61) Patent of Addition to Application	:NA	2)ZHAO Jingshan
Number	:NA	3)LI Xiumei
Filing Date	INA	4)LU Jianhua
(62) Divisional to Application Number	:NA	5)WANG Dong
Filing Date	:NA	6)YAO Zhiqiang
		7)MA Aihong

(57) Abstract :

A small wear resistant sleeve for tuyere of blast furnace comprises tuyere cap (1) made of copper a tuyere seat (2) and a water channel (3). An embedding object (4) with multiple holes is arranged at front end and outer wall of the tuyere cap (1) or alternatively embedding objects (4) are arranged at the front end and outer wall of the tuyere cap (1) with gaps (5) existing between

embedding objects (4). The embedding object (4) is made of wearable and high temperature resistant material so that the service life of the small wind port sleeve for blast furnace is improved efficiently.

No. of Pages : 15 No. of Claims : 10

(21) Application No.9229/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :18/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : HYBRID ARTIFICIAL WETLAND WATER PURIFICATION SYSTEM SEWAGE TREATMENT DEVICE USING SAME AND NATURAL NONPOINT PURIFICATION DEVICE CAPABLE OF SIMULTANEOUSLY PURIFYING RIVER AND LAKE WATER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> </ul> </li> <li>Application Number <ul> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul> </li> </ul>	:PCT/KR2011/009226 :30/11/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)SUNG IL EN TECH CO.LTD. Address of Applicant :1176 Igok ri Munsan eup Jinju si</li> <li>Gyeongsangnam do 660 841 Republic of Korea</li> <li>2)KORBI CO.LTD.</li> <li>(72)Name of Inventor :</li> <li>1)KIM Sung Chul</li> <li>2)CHO Gwang Ju</li> <li>3)PARK Goo Hyeon</li> <li>4)HYUN Moon Sik</li> <li>5)YANG Hee Jin</li> <li>6)HAN Seol Hee</li> </ul>
Number Filing Date	:NA :NA	

#### (57) Abstract :

The present invention relates to a low energy consumption type multifunctional water quality purification system for a hybrid artificial wetland a sewage treatment device using the same and a natural nonpoint purification device capable of simultaneously purifying river and lake water wherein the invention can selectively or simultaneously treat nonpoint pollution sources which leak out during rain in an advanced manner when being applied to treat point pollution sources such as sewage or waste water or treating various pollutants that are contained in stream water or lake water. According to one embodiment of the present invention a water quality purification system for a hybrid artificial wetland includes a first aerobic artificial wetland an anaerobic artificial wetland and a second aerobic artificial wetland. Here the first aerobic artificial wetland induces a vertical flow of water which is to be purified and allows pollutants to be removed. The anaerobic artificial wetland induces a horizontal flow of treated water which is introduced from the first aerobic artificial wetland and allows air to be supplied inwardly such that the amount of dissolved oxygen of the introduced treated water increases.

No. of Pages : 48 No. of Claims : 14

(21) Application No.1413/CHENP/2013 A

### (19) INDIA

(22) Date of filing of Application :21/02/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD FOR SHAPING ELECTRIC WIRE END AND MOLD FOR SHAPING ELECTRIC WIRE END

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> </ul>	:H01R43/02,B23K20/10,H01R4/18 :2010188558 :25/08/2010 :Japan :PCT/JP2011/069853 :25/08/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)YAZAKI CORPORATION Address of Applicant :4 28 Mita 1 chome Minato ku Tokyo </li> <li>Japan (72)Name of Inventor : 1)ITO Naoki 2)HINO Fumie</li></ul>
(87) International Publication No	:WO 2012/026616	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Method and corresponding mold for shaping in a rectangular cross section an electric wire end by smoothly pressing conductors of a plurality of electric wires without causing a reduction in strength. Conductors (23) of electric wires stacked mutually are compressed from the stack direction shaping a distal end (31) in a rectangular cross section by a lower metallic mold (12) and an upper metallic mold (13) provided with shaping grooves (14 15) having corner portions (14b 15b) for shaping two of the four angular portions (31b) of the distal end (31) the two other angular portions being formed at a boundary between the lower metallic mold (12) and the upper metallic mold (13).

No. of Pages : 22 No. of Claims : 2

(19) INDIA

(22) Date of filing of Application :15/05/2013

(21) Application No.2139/CHE/2013 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD AND ELECTRONIC DEVICE FOR CONTROLLING AN ELECTRONIC DEVICE

(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)TP VISION HOLDING B.V
(32) Priority Date	:NA	Address of Applicant : PRINS BERNHARDPLEIN 200, 1097,
(33) Name of priority country	:NA	JB AMSTERDAM Netherlands
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)CHARLES DOMINIQUE
(87) International Publication No	: NA	2)TOON VAN CRAENENDONCK
(61) Patent of Addition to Application Number	:NA	3)ANANTHAKRISHNA BHATTA
Filing Date	:NA	4)BERNARDO VAN DE SCHEPOP
(62) Divisional to Application Number	:NA	5)I-CHIH KANG
Filing Date	:NA	

(57) Abstract :

The invention relates to a method for controlling an electronic device, for example a Web-TV or smart-TV via a communication network and a portable terminal comprising obtaining a state of the electronic device and displaying a first cluster of user input buttons corresponding to a first set of commands associated with the obtained state of the electronic device. This method enables the portable device to display a control screen corresponding to the obtained state of the Web-TV.

No. of Pages : 16 No. of Claims : 12

(21) Application No.8905/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :06/11/2013

(54) Title of the invention : TASTE IMPROVING PEPTIDE

(43) Publication Date : 21/11/2014

#### (51) International classification :A23L1/227,A23L1/22 (71)Name of Applicant : (31) Priority Document No :2011151249 1)TAKASAGO INTERNATIONAL CORPORATION (32) Priority Date :07/07/2011 Address of Applicant :37 1 Kamata 5 chome Ohta ku Tokyo (33) Name of priority country :Japan 1448721 Japan :PCT/JP2012/002979 (72)Name of Inventor : (86) International Application No 1)KONO Masaharu Filing Date :07/05/2012 (87) International Publication No :WO 2013/005362 2)IKEUCHI Masato (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

To provide a milk derived peptide having a taste improving effect a taste improving agent comprising the same and a food or drink containing the same. [Solution] A taste improving agent comprising a peptide said peptide having the sequence(s) Val Pro and/or Leu Leu Leu and a food or drink to which the taste improving agent is added.

No. of Pages : 30 No. of Claims : 9

(21) Application No.9321/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :20/11/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD AND APPARATUS FOR ENHANCED DISCOVERY IN PEER TO PEER NETWORKS BY SYNCHRONIZED DISCOVERY WAKE UP

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:13/06/2012 :WO 2012/174150	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :Attn: International IP Administration</li> <li>5775 Morehouse Drive San Diego CA 92121 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)SAMPATH Hemanth</li> <li>2)JONES Vincent Knowles IV.</li> <li>3)AGRAWAL Avneesh</li> </ul>
Number Filing Date (62) Divisional to Application Number	:NA :NA :NA	4)ABRAHAM Santosh Paul
Filing Date	:NA	

#### (57) Abstract :

Certain aspects of the present disclosure relate to a technique for enhanced discovery in peer to peer (P2P) wireless network by synchronized discovery wake up. A wireless node can first obtain information about one or more time instants. Then the wireless node can wake up to discover one or more other wireless nodes for communication wherein the wake up occurs at the one or more time instants synchronized with the one or more other wireless nodes. The one or more time instants can be updated according to location information of the wireless node.

No. of Pages : 31 No. of Claims : 41

(21) Application No.9323/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :20/11/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD FOR FLUSHING AND/OR FILLING A BLOOD TREATMENT DEVICE AND BLOOD TREATMENT DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:A61M1/16,A61M1/36 :10 2011 102 492.5 :24/05/2011 :Germany :PCT/EP2012/002174 :22/05/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH Address of Applicant :Else Krner Str. 1 61352 Bad Homburg Germany</li> <li>(72)Name of Inventor :</li> <li>1)GRONAU Sren</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:WO 2012/159740 :NA :NA :NA :NA	2)NOACK Joachim 3)HAECKER J¼rgen 4)MLLER Ralf

#### (57) Abstract :

The invention relates to a method for flushing and/or for filling a blood treatment device in particular for priming a blood treatment device wherein the blood treatment device comprises at least one membrane filter in particular a hollow fiber membrane filter at least one first partial circuit and at least one second partial circuit wherein the first and the second partial circuits are separated by the membrane filter in a semipermeable manner wherein at least temporarily the first partial circuit is first filled with a fluid by means of a steady and/or pulsatile first volume flow wherein the volume flow does not exceed a specified threshold wherein at said threshold the membrane is not yet fully coated and/or permeated by the fluid and/or wherein the second partial circuit is open to the atmosphere at least temporarily and wherein air is forced from the first into the second partial circuit through the membrane of the membrane filter and/or wherein no vacuum is applied to the first partial circuit during filling.

No. of Pages : 19 No. of Claims : 17

(21) Application No.1224/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :14/02/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : LOW POWER DETECTION OF WIRELESS POWER DEVICES

(51) International classification	:H04B5/00,H02J7/02	(71)Name of Applicant :
(31) Priority Document No	:61/368581	1)QUALCOMM INCORPORATED
(32) Priority Date	:28/07/2010	Address of Applicant :INTERNATIONAL IP
(33) Name of priority country	:U.S.A.	ADMINISTRATION, 5775 Morehouse Drive San Diego CA
(86) International Application No	:PCT/US2011/045409	92121 U.S.A.
Filing Date	:26/07/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2012/015838	1)LEE Kevin D.
(61) Patent of Addition to Application	:NA	2)LOW Zhen Ning
Number		3)CAROBOLANTE Francesco
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Exemplary embodiments are directed to detection and validation of wirelessly chargeable devices positioned within a charging region of a wireless power transmitter. A device may include a wireless power transmitter (204) configure detect a change in at least one parameter at the transmitter. The transmitter may further be configured to determine whether at least one valid chargeable device (350) is positioned within a charging region of the transmitter upon detecting the change in the at least one parameter.

No. of Pages : 28 No. of Claims : 36

(21) Application No.3219/CHENP/2012 A

#### (19) INDIA

(22) Date of filing of Application :10/04/2012

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHODS FOR TREATING IRRITABLE BOWEL SYNDROME (IBS)

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:A6K39/395 :61/241,945 :13/09/2009 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)SALIX PHARMACEUTICALS, LTD.</li> <li>Address of Applicant :8510 COLONNADE CENTER DR.,</li> <li>RALEIGH., NC-27615 U.S.A.</li> </ul>
(86) International Application No Filing Date	:PCT/US2010/048624 :13/09/2010	(72)Name of Inventor : 1)FORBES, WILLIAM
(87) International Publication No	:WO 2011/032085 A1	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention provides new methods and kits for treating IBS; treating IBS in females; treating IBS in older subjects; and treating IBS in non-white subjects.

No. of Pages : 81 No. of Claims : 36

(21) Application No.8847/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :04/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DISTRIBUTING CONTENT AND SERVICE LAUNCH OBJECTS TO MOBILE DEVICES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:G06F15/177 :61/472606 :06/04/2011 :U.S.A. :PCT/US2012/032640 :06/04/2012 :WO 2012/139072 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)HEADWATER PARTNERS II LLC Address of Applicant :350 Marine Parkway Suite 300 Redwood City CA 94065 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)RALEIGH Gregory G.</li> <li>2)TELLADO Jose</li> <li>3)GREEN Jeffrey</li> </ul>
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(57) Abstract :

Embodiments of methods systems and apparatuses for distributing content over a communication network are disclosed. One method includes managing by at least one content distribution server a plurality of content assisting in preloading at least a portion of the content to a storage element associated with a wireless device identifying a portion of a user interface of the wireless device and sending configuration information to the wireless device the configuration information configured to assist the wireless device in placing in the identified portion of the user interface a service launch object that launches the content.

No. of Pages : 248 No. of Claims : 25

(19) INDIA

(22) Date of filing of Application :04/11/2013

(43) Publication Date : 21/11/2014

(21) Application No.8848/CHENP/2013 A

(54) Title of the invention : VIDEO GENERATION BASED ON TEXT		
(51) International classification	:G10L13/00,G10L15/00	(71)Name of Applicant :
(31) Priority Document No	:61/483571	1)SEYYER INC.
(32) Priority Date	:06/05/2011	Address of Applicant :5590 Satinleaf Way San Ramon
(33) Name of priority country	:U.S.A.	California 94582 U.S.A.
(86) International Application No	:PCT/US2012/036679	(72)Name of Inventor :
Filing Date	:04/05/2012	1)REZVANI Behrooz
(87) International Publication No	:WO 2012/154618	2)ROUHI Ali
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Techniques for generating a video sequence of a person based on a text sequence are disclosed herein. Based on the received text sequence a processing device generates the video sequence of a person to simulate visual and audible emotional expressions of the person including using an audio model of the person s voice to generate an audio portion of the video sequence. The emotional expressions in the visual portion of the video sequence are simulated based a priori knowledge about the person. For instance the a priori knowledge can include photos or videos of the person captured in real life.

No. of Pages : 52 No. of Claims : 24

(21) Application No.9479/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :27/11/2013

(86) International Application No

(87) International Publication No

(61) Patent of Addition to Application

(62) Divisional to Application Number

Filing Date

Filing Date

Filing Date

(43) Publication Date : 21/11/2014

(72)Name of Inventor :

1)MOCHIZUKI Shinei

#### (54) Title of the invention : REINFORCEMENT STRUCTURE FOR VEHICLE BODY FLOOR (51) International classification :B62D25/20 (71)Name of Applicant : **1)SUZUKI MOTOR CORPORATION** (31) Priority Document No :2011223900 (32) Priority Date :11/10/2011 Address of Applicant :300 Takatsuka cho Minami ku (33) Name of priority country Hamamatsu shi Shizuoka 4328611 Japan

:PCT/JP2012/062455

:WO 2013/054563

:Japan

:NA

:NA

:NA

:NA

:16/05/2012

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(5:/)	A hetract	•
(JI)	Abstract	•

Number

Provided is a reinforcement structure for a vehicle body floor the reinforcement structure being configured so that the rigidity in the vicinity of the joint between a main floor and a rear floor is ensured the rigidity of the vehicle body and the rigidity of the floor against vibration are improved noise within the vehicle interior caused by floor vibration is reduced and the running stability of the vehicle is improved. A reinforcement structure for a vehicle body floor comprising: a main floor (2); a rear floor (3); side sills (4); a floor tunnel (5) which has a hat shaped cross section protruding upward relative to the vehicle and which is provided at the intermediate section of the main floor (2) in the width direction of the vehicle so as to extend in the front rear direction of the vehicle; and a vertical wall (6) which is provided in front of the rear floor (3) so as to extend in the vertical direction of the vehicle. The vertical wall (6) has a smooth continuous shape. Half the height (H1) of the upper surface of the vertical wall (6) is set to be greater than the height (H2) of the upper surfaces of the side sills (4) and half the height (H2) of the upper surfaces of the side sills (4) is set to be greater than the height (H3) of the upper surface of the rear end (15) of the floor tunnel (5).

No. of Pages : 19 No. of Claims : 5

(21) Application No.9481/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : MEDICAL TRANSPORT DEVICE		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:A61G1/003 :13/118966 :31/05/2011 :U.S.A. :PCT/US2012/033365 :12/04/2012 :WO 2012/166252 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LAWRENCE R. KOH AND NINA MERRELL KOH TRUSTEES <ul> <li>Address of Applicant :Or Their Successors Under The</li> <li>Lawrence R. Koh And Nina Merrell koh Family Trust Dated</li> <li>December 5 1995 18624 Cassandra Street Tarzana CA 91356</li> <li>U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)KOH Lawrence R.</li> <li>2)HUGGINS James D.</li> <li>3)BLAIR Charles</li> </ul> </li> </ul>
Filing Date	:NA	

(57) Abstract :

Embodiments of the invention are directed to medical transport devices more particularly to spineboards. In one embodiment a spineboard includes an upper panel assembly joined to a lower panel assembly by one or more latch assemblies and one or more hinge assemblies. An upper moveable belt wrap about the upper panel assembly and is driven by a motorized drive roller while a lower moveable belt is wrapped about the lower panel assembly and driven by a separate motorized drive roller. The upper and lower moveable belts counter rotate relative to one another. The upper moveable belt is used to load and unload an injured person from the spineboad while the lower moveable belt is used to advance the spineboard toward and away from the injured person.

No. of Pages : 26 No. of Claims : 20

(21) Application No.9482/CHENP/2013 A

### (19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : HIGH AFFINITY DIMERIC INHIBITORS OF PSD 95 AS EFFICIENT NEUROPROTECTANTS AGAINST ISCHEMIC BRAIN DAMAGE AND FOR TREATMENT OF PAIN

(51) International classification	:A61K38/17,A61P25/00	(71)Name of Applicant :
(31) Priority Document No	:11165994.2	1)K <sup>~</sup> BENHAVNS UNIVERSITET (UNIVERSITY OF
(32) Priority Date	:13/05/2011	COPENHAGEN)
(33) Name of priority country	:EPO	Address of Applicant :N, rregade 10 DK 1165 Copenhagen K
(86) International Application No	:PCT/EP2012/058762	Denmark
Filing Date	:11/05/2012	(72)Name of Inventor :
(87) International Publication No	:WO 2012/156308	1)BACH Anders
(61) Patent of Addition to Application	:NA	2)STR <sup>~</sup> MGAARD Kristian
Number	:NA :NA	
Filing Date	INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The invention provides novel potent inhibitors of the ternary protein complex of nNOS PSD 95 and the NMDA receptor and pharmaceutical compositions comprising the inhibitors for prophylaxis and/or treatment of excitotoxic related disease and chronic pain conditions in a subject. The inhibitors are dimeric PSD 95 inhibitors comprising a first peptide or peptide analogue linked to a second peptide or peptide analogue by a linker wherein the first and the second peptide or peptide analogue comprise at least four amide bonded residues having a sequence YTXV or YSXV wherein a. Y is selected from among E Q and A or an analogue thereof and b. X is selected from among A Q D N Me A Me Q Me D and Me N or an analogue thereof and wherein a Cell Penetrating Peptide (CPP) is linked to the linker or to an amino acid side chain of the first and second peptide or peptide analogue. The linker can be a PEG or NPEG linker.

No. of Pages : 90 No. of Claims : 18

(21) Application No.9483/CHENP/2013 A

### (19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR PRODUCING A PURIFIED NAPHTHALENE DICARBOXYLIC ACID

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li><li>(32) Priority Data</li></ul>	:C07C51/487,C07C51/43,C07C51/50 :2011120464 :30/05/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)MITSUBISHI GAS CHEMICAL COMPANY INC. Address of Applicant :5 2 Marunouchi 2 chome Chiyoda ku</li> </ul>
<ul><li>(32) Priority Date</li><li>(33) Name of priority</li><li>country</li></ul>	:Japan	Tokyo 1008324 Japan (72) <b>Name of Inventor :</b> 1)KURASHIMA Hideharu
(86) International Application No Filing Date	:PCT/JP2012/063994 :30/05/2012	2)HAYASHI Masayoshi 3)HASHIMOTO Akio 4)SHIGEMATSU Ryuusuke
(87) International Publication No	:WO 2012/165506	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

This method for producing purified naphthalene dicarboxylic acid involves: a step for mixing amines and a naphthalene dicarboxylic acid containing raw material in a mixture of water and an organic solvent to obtain naphthalene dicarboxylic acid amine salt crystals; and a step for obtaining purified naphthalene dicarboxylic acid from the naphthalene dicarboxylic acid amine salt crystals obtained in the previous step wherein (1) in the step for adding amines to a slurry containing water an organic solvent and naphthalene dicarboxylic acid amine salts the rate of addition of the amines is 0.002 0.4 moles each minute per 1 mole of naphthalene dicarboxylic acid or (2) by adding amines to an aqueous solution prepared by dissolving the naphthalene dicarboxylic acid amine salts in water or to a liquid obtained by solid liquid separation of said aqueous solution the metal portion is insolubilized and precipitated and the precipitated metal portion is removed by solid liquid separation.

No. of Pages : 73 No. of Claims : 15

(21) Application No.9484/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : A SQUARE BALER COMPRISING A STUFFER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> </ul> </li> </ul>	:A01F15/10 :BE2011/0329 :30/05/2011 :Belgium :PCT/EP2012/060020 :29/05/2012 :WO 2012/163903 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CNH BELGIUM N.V. Address of Applicant :Leon Claeysstraat 3A B 8210 Zedelgem Belgium</li> <li>(72)Name of Inventor :</li> <li>1)VANDEVELDE Pieter</li> <li>2)NAAKTGEBOREN Adrianus</li> <li>3)MENNIK Jan</li> </ul>
Number Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

According to the invention the stuffer comprises an arm (20) connected at a first pivot point (22) to a crank arm that is driven to rotate at a multiple of the cycling rate of the plunger (12) and the arm (20) is acted upon at a second pivot point (26) by a cam track (30) and follower arrangement selectively driven in synchronism with the crank arm by way of a disengageable clutch.

No. of Pages : 19 No. of Claims : 9

(21) Application No.8894/CHENP/2012 A

#### (19) INDIA

(22) Date of filing of Application :17/10/2012

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : MIXED FLOW NOZZLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:31/03/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)NAGAOKA INTERNATIONAL CORPORATION Address of Applicant :6 1 Nagisa cho Izumiotsu shi Osaka</li> <li>5950055 Japan</li> <li>(72)Name of Inventor :</li> <li>1)MIMURA Hitoshi</li> <li>2)MUKAI Kiyokazu</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A mixed stream nozzle which can prevent accumulation and solidifying of oxides on an inner wall of a rawwater-air mixed stream nozzle of a water treatment apparatus with a simple device is provided. In a mixed stream nozzle having, at one end thereof, a water supply tube connecting portion (2), an air inlet (3) formed on the downstream side of the water supply tube connecting portion, and a mixed stream outlet (4) provided at the other end of the mixed stream nozzle from which mixed stream of water and air is jetted out, nozzle inner wall cleaning means is provided which is made of a twisted-ring chain (11) which is fixed to an inner wall of the nozzle on the downstream side of the air inlet (3) and extends to the vicinity of the mixed stream outlet (4) for colliding with the mixed stream and moving continuously in the nozzle in a manner to swivel by force received from the mixed stream and thereby contacting the inner wall of the nozzle.

No. of Pages : 22 No. of Claims : 6

(21) Application No.9503/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : GENERATING A MASKING SIGNAL ON AN ELECTRONIC DEVICE

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application</li> </ul></li></ul>	:PCT/US2012/036393 :03/05/2012 :WO 2012/170128 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :Attn: International IP Adminstration </li> <li>5775 Morehouse Drive San Diego California 92121 U.S.A.</li> <li>(72)Name of Inventor : 1)XIANG Pei 2)HUANG Joseph Jyh huei 3)SCHEVCIW Andre Gustavo Pucci 4)MAURO Anthony 5)VISSER Erik</li></ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

An electronic device for generating a masking signal is described. The electronic device includes a plurality of microphones and a speaker. The electronic device also includes a processor and executable instructions stored in memory that is in electronic communication with the processor. The electronic device obtains a plurality of audio signals from the plurality of microphones. The electronic device also obtains an ambience signal based on the plurality of audio signals. The electronic device further determines an ambience feature based on the ambience signal. Additionally the electronic device obtains a voice signal based on the plurality of audio signals. The electronic device additionally generates a masking signal based on the voice feature and the ambience feature. The electronic device further outputs the masking signal using the speaker.

No. of Pages : 71 No. of Claims : 48

#### (19) INDIA

(22) Date of filing of Application :27/11/2013

(21) Application No.9508/CHENP/2013 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : APPARATUS AND METHOD FOR PREPARING A BEVERAGE FROM A SOLVENT AND INGREDIENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A47J31/053 :PCT/CN2011/074525 :23/05/2011 :China :PCT/IB2012/052448 :16/05/2012 :WO 2012/160482	<ul> <li>(71)Name of Applicant :</li> <li>1)KONINKLIJKE PHILIPS N.V. Address of Applicant :High Tech Campus 5 NL 5656 AE</li> <li>Eindhoven Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)HA Wan Kei Ricky</li> </ul>
<ul> <li>(67) International Fublication (Ko</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

The invention relates to a method of and an apparatus (10) for preparing a beverage from a solvent (11) and ingredients (12). The apparatus comprises a container (13) for containing the solvent an infuser (14) for containing the ingredients and a pumping system (15) for carrying solvent from the container to the infuser. The infuser (14) is arranged so as to assume: a first position (P1) allowing the solvent carried to the infuser to be subsequently carried back into the container and a second position (P2) allowing the solvent carried to the infuser to be subsequently carried back into the containing the ingredients and allowing the solvent carried to the infuser to be subsequently carried back into the containing the ingredients and allowing the solvent carried to the infuser to be subsequently carried outside the infuser containing the ingredients and allowing the solvent carried to the infuser to be subsequently carried outside the container. This apparatus allows preparing a beverage from a solvent and ingredients by brewing the ingredients in the solvent and subsequently dispensing the prepared beverage without any complex manual user action having to be performed on the apparatus used to prepare the beverage.

No. of Pages : 22 No. of Claims : 14

(21) Application No.9509/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : APPARATUS AND METHOD FOR PREPARING A BEVERAGE FROM A SOLVENT AND INGREDIENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:PCT/CN2011/074523 :23/05/2011 :China	<ul> <li>(71)Name of Applicant :</li> <li>1)KONINKLIJKE PHILIPS N.V. Address of Applicant :High Tech Campus 5 NL 5656 AE Eindhoven Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)HA Wan Kei Ricky</li> </ul>
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#### (57) Abstract :

The invention relates to a method of and an apparatus (10) for preparing a beverage from a solvent (11) and ingredients (12). The apparatus comprises: a container (13) for containing the solvent an infuser (14) for containing the ingredients a first system (15) for moving solvent from the container to the infuser and a second system adapted to assume a first position for moving solvent being in the infuser out of the container and a second position for carrying solvent being in the infuser back into the container. This apparatus allows preparing a beverage from a solvent and ingredients by means of a preliminary rinsing step of the ingredients which is conducted in a simple manner for the user. Also this apparatus allows a user to easily control the rinsing of the ingredients with respect to time amount of water etc. which minimizes nutritional loss (e.g. catechins in tea) during rinsing of the ingredients.

No. of Pages : 27 No. of Claims : 14

(21) Application No.9324/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :20/11/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHODS AND APPARATUS FOR CONTROLLING PROVISIONING OF A WIRELESS COMMUNICATION DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> </ul>	:PCT/US2012/038665 :18/05/2012 :WO 2012/159065	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :Attn: International IP Administration</li> <li>5775 Morehouse Drive San Diego California 92121 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)AHMAVAARA Kalle Ilmari</li> <li>2)MITTAL Vineet</li> <li>3)NIENSTADT Federico</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

Methods and apparatus for controlling provisioning of a wireless communication device in a cellular network may include maintaining at a network component a provisioning status database comprising status information corresponding to provisioning in a home location register of one or more wireless communication devices for one or more cellular networks. In addition the methods and apparatus may include initiating provisioning or de provisioning of a wireless communication device for a cellular network in the home location register in response to a triggering event.

No. of Pages : 60 No. of Claims : 45

(21) Application No.9327/CHENP/2013 A

### (19) INDIA

(22) Date of filing of Application :21/11/2013

#### (43) Publication Date : 21/11/2014

### (54) Title of the invention : PREPARATION OF FINGOLIMOD AND ITS SALTS

		(71)Name of Applicant :
		1)DR. REDDYS LABORATORIES LTD.
(51) International classification	:C07C211/00,C07D333/20	Address of Applicant :8 2 337 Road No. 3 Banjara Hills
(31) Priority Document No	:1502/CHE/2011	Hyderabad Andhara Pradesh 500 034 Maharashtra India
(32) Priority Date	:29/04/2011	(72)Name of Inventor :
(33) Name of priority country	:India	1)KATKAM Srinivas
(86) International Application No	:PCT/IB2012/000922	2)SAGYAM Rajeswar Reddy
Filing Date	:27/04/2012	3)MORTHALA Raghavendar Rao
(87) International Publication No	:WO 2012/146980	4)IRENI Babu
(61) Patent of Addition to Application	.NI A	5)VINIGARI Krishna
Number	:NA	6)RAMDOSS Suresh Kumar
Filing Date	:NA	7)RANGINENI Srinivasulu
(62) Divisional to Application Number	r :NA	8)TUMMALA Arjunkumar
Filing Date	:NA	9)IQBAL Javed
		10)ORUGANTI Srinivas
		11)KANDAGATLA Bhaskar

(57) Abstract :

The present application provide processes for the preparation of fingolimod and its pharmaceutically acceptable salts process for the purification of fingolimod hydrochloride and process for the preparation of amorphous fingolimod hydrochloride.

No. of Pages : 57 No. of Claims : 35

(21) Application No.9328/CHENP/2013 A

### (19) INDIA

(22) Date of filing of Application :21/11/2013

(43) Publication Date : 21/11/2014

(54) Title of the invention : SYSTEM AND METHOD FOR IDENTIFYING FLUIDS AND MONITORING FLUID QUALITY IN A VESSEL

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(22) Distance Decision</li></ul>	:G01N31/00 :13/086958	(71)Name of Applicant : 1)MEGGITT (ORANGE COUNTY) INC.
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:14/04/2011 :U.S.A.	Address of Applicant :14600 Myford Road Irvine CA 92606 U.S.A.
(86) International Application No Filing Date	:PCT/US2012/033035 :11/04/2012	(72)Name of Inventor : 1)CARVALHO Carlos E.
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2012/142097	2)SINNAMON John L. 3)MISKELL Thomas
Number Filing Date	:NA :NA	4)RIZZO Vincent J.
<ul><li>(62) Divisional to Application Number</li><li>Filing Date</li></ul>	:NA :NA	

#### (57) Abstract :

Methods and systems are disclosed for using time domain reflectometry to determine the identity of a fluid in a vessel and to determine whether the quality of a fluid in a vessel is within acceptable parameters. Methods include identifying a fluid by comparing a derived characteristic of a fluid to a reference characteristic determining the quality of a fluid by determining if a derived characteristic is within an acceptable quality range monitoring a fluid for a dynamic change in quality or state and identifying a fluid by comparing a transition reflection waveform to a reference signature transition. The methods are implemented in systems for identifying a fluid layer in a vessel such as fuel free liquid water or ice detecting misfueling or fuel contamination and detecting fluid state changes such as the formation of ice.

No. of Pages : 38 No. of Claims : 29

#### (21) Application No.9329/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :21/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD AND APPARATUS FOR MEASURING TEMPERATURE OF SEMICONDUCTOR LAYER

(51) International classification	:G01K11/12,H01L21/205	(71)Name of Applicant :
(31) Priority Document No	:NA	1)YSystems Ltd.
(32) Priority Date	:NA	Address of Applicant : Tokushima Science Center 209 5
(33) Name of priority country	:NA	Hiraishi Sumiyoshi Kawauchi cho Tokushima shi Tokushima
(86) International Application No	:PCT/JP2011/067678	7710134 Japan
Filing Date	:02/08/2011	(72)Name of Inventor :
(87) International Publication No	:WO 2013/018197	1)Yves Lacroix
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Provided are a measuring method and a measuring apparatus whereby a temperature of a semiconductor layer can be directly and highly accurately detected at the time of depositing and film forming the semiconductor layer. [Solution] First wavelength laser light having light transmissivity attenuate in a first temperature range (T3 T4) and second wavelength laser light having light transmissivity attenuate in a second temperature range (T5 T6) are applied to a semiconductor layer and light that has passed through the semiconductor layer is received by a light receiving unit. An attenuation range (D4 D3) of the laser light quantity of the first wavelength laser light is attenuated. After the temperature is increased more and the detection light quantity of the second wavelength laser light exceeds an attenuation start point (g) the temperature of the semiconductor layer can be calculated on the basis of a detection light quantity (Db) at a certain measurement time and the attenuation range (D4 D3).

No. of Pages : 38 No. of Claims : 14

(21) Application No.9532/CHENP/2013 A

### (19) INDIA

(22) Date of filing of Application :28/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD AND SYSTEM FOR MONITORING THE SKIN COLOR OF A USER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)KONINKLIJKE PHILIPS N.V. Address of Applicant :High Tech Campus 5 NL 5656 AE</li> <li>Eindhoven Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)FAZZI Alberto</li> <li>2)VEEN Jeroen</li> <li>3)MEFTAH Mohammed</li> </ul>
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

This invention relates to a method and a system for monitoring skin color of a user. The system comprises a capturing unit an obtaining unit a deriving unit and a determining unit. The capturing unit captures at least one image of the user over a predetermined time period and the obtaining unit obtains motion related information of the user over the predetermined time period. The deriving unit derives visual information from the at least one image on the basis of the motion related information and the determining unit determines the skin color on the basis of the derived visual information. In this way the skin color of the user can be effectively monitored without exposing the user to strong environmental light.

No. of Pages : 20 No. of Claims : 15

#### (19) INDIA

(22) Date of filing of Application :15/05/2013

### (21) Application No.3839/CHENP/2013 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : COMMUNICATION DEVICE CIRCUIT FOR USE IN COMMUNICATION DEVICE AND COMMUNICATION METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> </ul> </li> </ul>	:PCT/JP2011/077078 :24/11/2011 :WO 2012/070624	<ul> <li>(71)Name of Applicant :</li> <li>1)NEC Corporation Address of Applicant :7 1 Shiba 5 chome Minato ku Tokyo 1088001 Japan</li> <li>(72)Name of Inventor :</li> <li>1)HONDA Mitsuhiro</li> </ul>
Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

In order to prevent decreases in transmission efficiency in a communication device that wirelessly communicates over a plurality of connections a communication device is provided with: a plurality of reception units that wirelessly receive the same signal from an opposing station over a plurality of connections; a quality determination unit that uses the received same signals to determine the quality of each of the aforementioned plurality of connections; a modulation scheme determination unit that determines the modulation scheme used in the aforementioned wireless communication on the basis of the qualities of only usable connections if one of the aforementioned plurality of connections is unusable; and a transmission unit that sends the abovementioned opposing station information representing the determined modulation scheme.

No. of Pages : 45 No. of Claims : 10

(21) Application No.9304/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :20/11/2013

(54) Title of the invention : CLOZAPINE IMMUNOASSAY

(43) Publication Date : 21/11/2014

#### (51) International classification :C12Q1/00,A61P25/18 (71)Name of Applicant : (31) Priority Document No :13/114252 1)SALADAX BIOMEDICAL INC. (32) Priority Date :24/05/2011 Address of Applicant :116 Research Drive Bethlehem PA (33) Name of priority country :U.S.A. 18015 U.S.A. (86) International Application No :PCT/US2012/036257 (72)Name of Inventor : Filing Date :03/05/2012 1)SALAMONE Salvatore J. (87) International Publication No :WO 2012/161938 2)COURTNEY Jodi Blake (61) Patent of Addition to Application **3)SARD Howard** :NA Number 4)SPEDALIERE Christopher :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Novel conjugates and immunogens derived from clozapine and antibodies generated by these immunogens are useful in immunoassays for the quantification and monitoring of clozapine in biological fluids.

No. of Pages : 56 No. of Claims : 38

(21) Application No.9523/CHENP/2013 A

### (19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : PARASITICIDAL COMBINATION COMPRISING INDOXACARB AND DELTAMETHRIN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to</li> </ul>	:A01N25/34,A01N47/38,A01N53/08 :61/494608 :08/06/2011 :U.S.A. :PCT/US2012/041580 :08/06/2012 :WO 2012/170836 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)E. I. du Pont de Nemours and Company Address of Applicant :1007 Market Street Wilmington Delaware 19899 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)FLOCHLAY SIGOGNAULT Annie</li> <li>2)GUERINO Frank</li> <li>3)LAPIED Bruno</li> </ul>
Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to antiparasitic compositions comprising a combination of indoxacarb and deltamethrin and their use in a method to control parasite insect and acarid infestations on animals.

No. of Pages : 41 No. of Claims : 20

(21) Application No.9524/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :28/11/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METAL PANEL ASSEMBLY AND METHOD FOR MAKING SAME

(51) International classification	:B21D39/02,B62D27/02,C09J5/06	(71)Name of Applicant :
(31) Priority Document No	:11168221.7	1)3M INNOVATIVE PROPERTIES COMPANY
(32) Priority Date	:31/05/2011	Address of Applicant :3M Center Post Office Box 33427 Saint
(33) Name of priority country	:EPO	Paul Minnesota 55133 3427 U.S.A.
(86) International Application No Filing Date	:PCT/US2012/033857 :17/04/2012	(72)Name of Inventor : 1)ELGIMIABI Sohaib
(87) International Publication No	:WO 2012/166257	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

In accordance with the present invention there is provided a method of making a metal part assembly the method comprising: providing a first metal part and a second metal part wherein at least one of the first and second metal part comprises a metal panel; providing an adhesive sheet having a first portion near a first end of the adhesive sheet and a second portion near a second end opposite to the first end of the adhesive sheet the adhesive sheet comprising a thermosettable composition that comprises a mixture of a first and second epoxy compound and an epoxy curing agent wherein the first epoxy compound has a weight average molecular weight of at least 1000 g/mol and has an amount of epoxy groups of between 5 and 10 mole% and the second epoxy compound has a weight average molecular weight of not more than 400 g/mol and wherein the weight ratio of first to second epoxy compound is between 0.8 and 4; adhering said first and second metal part together such that the adhesive sheet is provided between said first and second metal part thereby forming a metal joint; and heating the metal joint so as to cause thermosetting of the thermosettable composition of the adhesive sheet.

No. of Pages : 31 No. of Claims : 15

(21) Application No.9525/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :28/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : HYDROGEN STATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> </ul>	:F17C5/06,B60L11/18,H01M8/06 :2011146277 :30/06/2011 :Japan :PCT/JP2012/004207 :28/06/2012 :WO 2013/001824 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)KABUSHIKI KAISHA KOBE SEIKO SHO Address of Applicant :10 26 Wakinohama cho 2 chome Chuo ku Kobe shi Hyogo 6518585 Japan</li> <li>(72)Name of Inventor :</li> <li>1)NAGURA Kenji</li> <li>2)TAKAGI Hitoshi</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A hydrogen station for filling hydrogen into a hydrogen tank mounted in an automobile is characterized by being provided with: a compressor for compressing the hydrogen; a lubricating oil cooling unit for circulating and cooling the lubricating oil in the compressor; a hydrogen cooling unit capable of cooling the hydrogen that has not yet filled into the hydrogen tank mounted in the automobile but has already compressed by the compressor; a sensor for detecting the approach or arrival of the automobile to or at the hydrogen station; and a starting unit for starting the lubricating oil cooling unit and/or the hydrogen cooling unit by a signal from the sensor.

No. of Pages : 30 No. of Claims : 3

(21) Application No.8950/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :07/11/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD BASE STATION CONTROLLER AND MOBILE SWITCH CENTER FOR PROMPTING STATE OF PILOT SIGNAL

(51) International classification	:H04B7/26	(71)Name of Applicant :
(31) Priority Document No	:NA	1)HUAWEI DEVICE CO. LTD
(32) Priority Date	:NA	Address of Applicant : Building B2 Huawei Industrial Base
(33) Name of priority country	:NA	Bantian Longgang District Shenzhen Guangdong 518129 China
(86) International Application No	:PCT/CN2011/073372	(72)Name of Inventor :
Filing Date	:27/04/2011	1)XIAO Hansong
(87) International Publication No	:WO 2011/113391	
(61) Patent of Addition to Application	:NA	
Number	:NA :NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A method a base station controller and a mobile switch center for prompting a state of a pilot signal are disclosed in the invention. The method includes that: the pilot intensity reported by a first terminal in a calling state is received; when the pilot intensity is less than a preset threshold a promotion signaling is transmitted to the mobile switch center corresponding to an opposite terminal in a calling state and the mobile switch center corresponding to the opposite terminal transmits promotion information expressing that the state of the pilot signal of the first terminal is poor to the opposite terminal according to the pilot signal of the first terminal in time and acquire the reason why the call cannot be normally performed currently thus the calling quality is guaranteed and the user experience is improved.

No. of Pages : 16 No. of Claims : 10

#### (19) INDIA

(22) Date of filing of Application :14/11/2013

(21) Application No.9158/CHENP/2013 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : A SYSTEM AND METHOD TO CALCULATE RMS CURRENT AND TRUE POWER IN A MULTIDROP SENSOR NETWORK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to</li> </ul>	:19/04/2011 :U.S.A. :PCT/US2012/033903 :17/04/2012 :WO 2012/145294 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SCHNEIDER ELECTRIC IT CORPORATION Address of Applicant :132 Fairgrounds Road West Kingston RI 02892 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)DEOKAR Vishwas Mohaniraj</li> <li>2)PAIK Namwook</li> <li>3)SPITAELS James S.</li> </ul>
e	:NA :NA	

(57) Abstract :

According to one aspect embodiments of the invention provide a system for monitoring a plurality of circuit branches coupled to an input line the system comprising a communication bus a plurality of sensor circuits each configured to be coupled to the communication bus and at least one of the plurality of circuit branches wherein each sensor circuit is further configured to sample current in the at least one of the plurality of circuit branches a controller configured to be coupled to the communication bus and the input line; wherein the controller is further configured to sample voltage on the input line and wherein the controller is further configured to sample voltage sampling performed by the plurality of sensor circuits with the voltage sampling performed by the controller.

No. of Pages : 36 No. of Claims : 11

(19) INDIA

NETWORK

(22) Date of filing of Application :14/11/2013

(21) Application No.9159/CHENP/2013 A

(43) Publication Date : 21/11/2014

(54) Title of the invention : SYSTEM AND METHOD FOR TRANSFERRING DATA TO A PLURALITY OF DEVICES IN A

(51) International classification	:H04L12/18	(71)Name of Applicant :
(31) Priority Document No	:13/089686	1)SCHNEIDER ELECTRIC IT CORPORATION
(32) Priority Date	:19/04/2011	Address of Applicant :132 Fairgrounds Road West Kingston
(33) Name of priority country	:U.S.A.	RI 02892 U.S.A.
(86) International Application No	:PCT/US2012/034117	(72)Name of Inventor :
Filing Date	:18/04/2012	1)COHEN Daniel C.
(87) International Publication No	:WO 2012/145425	2)SPITAELS James S.
(61) Patent of Addition to Application	:NA	3)MEARNS Brian Patrick
Number	:NA :NA	4)TRIVEDI Himanshu
Filing Date	INA	5)DEOKAR Vishwas Mohaniraj
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Systems and methods of transmitting data to a plurality of devices are provided. In one example a system is configured to broadcast data to a group of devices. Each of the group of devices is configured to inspect the message and locally store the content of the message. Further the group of devices is configured so that a single device of the group responds to each message.

No. of Pages : 44 No. of Claims : 20

(21) Application No.9572/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :28/11/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : ENHANCED INTRA PREDICTION MODE SIGNALING FOR VIDEO CODING USING NEIGHBORING MODE

(51) International classification	:H04N7/26.H04N7/34	(71)Name of Applicant :
(31) Priority Document No	:61/495332	1)QUALCOMM INCORPORATED
(32) Priority Date	:09/06/2011	Address of Applicant :5775 Morehouse Drive ATTN:
(33) Name of priority country	:U.S.A.	International IP Administration San Diego California 92121 1714
(86) International Application No	:PCT/US2012/041545	U.S.A.
Filing Date	:08/06/2012	(72)Name of Inventor :
(87) International Publication No	:WO 2012/170812	1)CHIEN Wei Jung
(61) Patent of Addition to Application	:NA	2)KARCZEWICZ Marta
Number	:NA :NA	3)WANG Xianglin
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

This disclosure describes techniques for intra prediction mode signaling for video coding. In one example a video coder is configured to determine for a block of video data a set of most probable intra prediction modes such that the set of most probable intraprediction modes has a size that is equal to a predetermined number that is greater than or equal to two. The video coder is also configured to code a value representative of an actual intra prediction mode for the block based at least in part on the set of most probable intraprediction mode such that the set of most probable intraprediction mode for the block based at least in part on the set of most probable intraprediction mode such the block using the actual intra prediction mode. The video coder may further be configured to code the block using the actual intra prediction mode or decode the block. Video encoders and video decoders may implement these techniques.

No. of Pages : 69 No. of Claims : 49

(21) Application No.8997/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :08/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : EXTERNALLY CONNECTED TEMPORAL PORT CHANGEOVER METHOD AND DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:201110118550.X :09/05/2011 :China :PCT/CN2012/072615 :20/03/2012 :WO 2012/152124 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ZTE CORPORATION <ul> <li>Address of Applicant :ZTE Plaza Keji Road South Hi Tech</li> </ul> </li> <li>Industrial Park Nanshan District Shenzhen Guangdong 518057</li> <li>China <ul> <li>(72)Name of Inventor :</li> <li>1)LI Xiaoxia</li> <li>2)ZHAN Hailiang</li> </ul> </li> </ul>
Filing Date	:NA	

(57) Abstract :

Disclosed are an externally connected temporal port changeover method and device. The method includes: a node currently in the form of a host node transmitting temporal information via a first externally connected temporal port thereof; the first externally connected temporal port having failed the above node updating the current node priority thereof and the host node priority as a preset node priority wherein the preset node priority is the node priority configured for a node when the node is activated; and the above node judging whether or not a second externally connected temporal port thereof is in an open state wherein the priority of the second externally connected temporal port is higher than the current host node priority of the node and if it is then activating the second externally connected temporal port to transmit the temporal information. By way of the present solution the problem that when the currently selected temporal access port has failed changeover among ports cannot be completed in time is solved thus improving the stability of the temporal synchronous network.

No. of Pages : 26 No. of Claims : 13

(21) Application No.8998/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :08/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : HERBICIDAL COMPOSITION COMPRISING FLAZASULFURON AND METRIBUZIN

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:2011090116 :14/04/2011 :Japan :PCT/JP2012/060091 :06/04/2012 :WO 2012/141277 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)ISHIHARA SANGYO KAISHA LTD. Address of Applicant :3 15 Edobori 1 chome Nishi ku Osaka shi Osaka 5500002 Japan</li> <li>(72)Name of Inventor :</li> <li>1)YAMADA Ryu</li> <li>2)OKAMOTO Hiroyuki</li> <li>3)TERADA Takashi</li> </ul>
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(57) Abstract :

Many herbicidal compositions have been developed and are presently used. However weeds to be controlled are various in types and their emergence extends over a long period. Accordingly it is desired to develop a herbicidal composition which has a broader herbicidal spectrum a high activity and a long lasting effect. The present invention provides a herbicidal composition comprising as active ingredients (a) flazasulfuron or its salt and (b) metribuzin or its salt.

No. of Pages : 21 No. of Claims : 5

(21) Application No.9615/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD AND SYSTEM FOR ASSISTING PATIENTS

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A61B5/16,G06K9/00,G10L17/00 :11168527.7 :01/06/2011 :EPO :PCT/IB2012/052769 :01/06/2012 :WO 2012/164534	<ul> <li>(71)Name of Applicant :</li> <li>1)KONINKLIJKE PHILIPS N.V. Address of Applicant :High Tech Campus 5 NL 5656 AE</li> <li>Eindhoven Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)JASINSCHI Radu Serban</li> <li>2)BULUT Murtaza</li> <li>3)BELLODI Luca</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A system for use in assisting a user in a social interaction with another person is provided the system being configured to determine whether the user recognizes the person and if it is determined that the user does not recognize the person to provide information to the user about the person. A corresponding method and computer program product for performing the method are also provided.

No. of Pages : 33 No. of Claims : 15

(21) Application No.9617/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DIMENSIONALLY STABLE POLYESTER YARN AND PREPARATION THEREOF

<ul> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(87) International Publication</li> <li>No</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> <li>NA</li> <li>NA</li> </ul>	<ul> <li>31) Priority Document No</li> <li>32) Priority Date</li> <li>33) Name of priority country</li> <li>86) International Application</li> <li>No</li> <li>Filing Date</li> <li>87) International Publication</li> <li>No</li> <li>61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>62) Divisional to Application</li> </ul>	:PCT/EP2012/059118 :16/05/2012 :WO 2012/156446 :NA :NA :NA	<ul> <li>1)API INSTITUTE Address of Applicant :Eerste Bokslootweg 17 NL 7821 AT Emmen Netherlands</li> <li>(72)Name of Inventor : 1)KRINS Bastiaan 2)VEURINK Jannes</li> </ul>
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(57) Abstract :

A continuous spin draw winding process to prepare a drawn polyester yarn suitable for use in high speed tires and run flat tires having high energy to break in combination with a good dimensional stability comprising extruding molten polyester through spinning holes in a spinneret to form a bundle of molten spun filaments solidifying the spun filaments by a gaseous cooling medium fixing the spinning speed of the solidified filaments at a first godet in the range of 4050 to 5000 m/min for DMT based polyester or 4500 to 5500 m/min for PTA based polyester drawing the solidified filaments. The drawn polyester yarn has a high amorphous orientation distribution a high crystallinity and a coarse structure. Dipped cords comprising such polyester drawn yarns exhibit excellent dimensional stability at higher temperatures.

No. of Pages : 24 No. of Claims : 15

(21) Application No.8249/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :10/10/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : LIGHT DETECTION SYSTEM AND METHOD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:G01S :11159149.1 :22/03/2011 :EPO :PCT/IB2012/051370 :22/03/2012 :WO 2012/127439	<ul> <li>(71)Name of Applicant :</li> <li>1)KONINKLIJKE PHILIPS N.V. Address of Applicant :High Tech Campus 5 NL 5656 AE Eindhoven Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)DE BRUIJN Frederik Jan</li> <li>2)VLUTTERS Ruud</li> </ul>
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	3)FERI Lorenzo 4)SCHENK Tim Corneel Wilhelmus 5)RIETMAN Ronald

#### (57) Abstract :

There is provided a light detection system which is capable of determining in light embedded codes by detecting light in a scene which is illuminated by an illumination system (110) comprising one or more light sources (111 112 113) each providing a light contribution (I I I) comprising an embedded code (ID 1 ID 2 ID 3) emitted as a temporal sequence of modulations in a characteristics of the light emitted. The light detection system comprises light detection means (220) which are arranged for acquiring at least one image of the scene where the image is acquired a plurality of temporal shifted line instances. Each line of the acquired image comprises an instance of the temporal sequence of modulations of the first embedded code. The light detection system further comprises means (230) for determining embedded codes from the spatial pattern of modulations.

No. of Pages : 29 No. of Claims : 15

(21) Application No.9001/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :11/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD FOR PRODUCTION OF BREWERS WORT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:11/04/2012 :WO 2012/140075 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)NOVOZYMES A/S Address of Applicant :Krogshoejvej 36 DK 2880 Bagsvaerd Denmark</li> <li>(72)Name of Inventor :</li> <li>1)FREDERIKSEN Anne Mette Bhatia</li> <li>2)FUKUYAMA Shiro</li> <li>3)AYABE Keiichi</li> </ul>
	:NA :NA	3)AYABE Keiichi
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to method for production of brewer s wort comprising adding to a mash a particular glucoamylase. The glucoamylase is obtained from Penicillium oxalicum. Further the invention relates to use of a particular glucoamylase for production of brewer s wort. Furthermore the invention relates to use of a combination of a glucoamylase and a pullulanase for production of brewer s wort.

No. of Pages : 51 No. of Claims : 15

(21) Application No.9603/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : FASTENERS MANUFACTURED BY THREE DIMENSIONAL PRINTING

(51) International classification (31) Priority Document No	:B29C67/00,F16B21/08 :61/492503	(71)Name of Applicant : 1)A. RAYMOND ET CIE
(32) Priority Date	:02/06/2011	Address of Applicant :115 cours Berriat F 38000 Grenoble
(33) Name of priority country	:U.S.A.	France
(86) International Application No	:PCT/US2012/039445	(72)Name of Inventor :
Filing Date	:24/05/2012	1)HEMINGWAY Todd L.
(87) International Publication No	:WO 2012/166552	2)PIPP Walter B.
(61) Patent of Addition to Application	:NA	3)MURRAY Todd
Number	:NA	4)JACKSON Nicholas
Filing Date	.1171	5)REZNAR Jason F.
(62) Divisional to Application Number	:NA	6)VONIEZ Jimmy
Filing Date	:NA	

(57) Abstract :

A fastener is provided. In another aspect a fastener is made of layers of material a light curable material and/or multiple built up materials. Another aspect uses a three dimensional printing machine to emit material from an ink jet printing head to build up a fastener.

No. of Pages : 77 No. of Claims : 129

(21) Application No.9604/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SUBSTITUTED PYRIDINES HAVING HERBICIDAL ACTIVITY

#### (57) Abstract :

The present invention provides substituted pyridine compounds of the formula (I) or N oxides or agriculturally suitable salts thereof wherein the variables in the formula (I) are defined as in the description. Substituted pyridines of formula (I) are useful as herbicides.

No. of Pages : 146 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :29/11/2013

(54) Title of the invention : TIMELINE DISPLAY TOOL

(21) Application No.9610/CHENP/2013 A

(43) Publication Date : 21/11/2014

(51) International classification	:G06F19/00,G06F3/00	(71)Name of Applicant :
(31) Priority Document No	:11168450.2	1)KONINKLIJKE PHILIPS N.V.
(32) Priority Date	:01/06/2011	Address of Applicant : High Tech Campus 5 NL 5656 AE
(33) Name of priority country	:EPO	Eindhoven Netherlands
(86) International Application No	:PCT/IB2012/052548	(72)Name of Inventor :
Filing Date	:22/05/2012	1)HIGGINS Stewart Anderson
(87) International Publication No	:WO 2012/164434	2)VERBEEK Alexander Adrianus Martinus
(61) Patent of Addition to Application	:NA	3)SLUITERS Erik Christiaan
Number	:NA	
Filing Date	.1111	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A system for displaying time based events on a time line is described. A first timeline unit (1) displays a first timeline showing a first plurality of events within a first time segment (3) bounded by a first begin time and a first end time. A second timeline unit (2) displays a second timeline showing a second plurality of events within a second time segment (4) bounded by a second begin time and a second end time wherein the first timeline and the second timeline are displayed in the same scale. An interaction unit (5) enables a user to indicate a change to the displayed time segments (3 4). A time segment updater (6) determines an updated first time segment (3) and an updated second time segment (4) based on the indicated change keeping the scale of the first timeline equal to the scale of the second timeline and keeping an offset between the first time segment (3) and the second time segment (4) constant. The timeline units (1 2) are arranged for updating their respective displays according to the updated time segments (3 4).

No. of Pages : 21 No. of Claims : 15

(21) Application No.9186/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :16/11/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : OPTICAL DEVICE FOR FORMING A LIGHT BEAM

(51) International classification	n:G02B17/08,G02B27/09,F21V5/04	(71)Name of Applicant :
(31) Priority Document No	:11164927.3	1)KONINKLIJKE PHILIPS N.V.
(32) Priority Date	:05/05/2011	Address of Applicant : High Tech Campus 5 NL 5656 AE
(33) Name of priority country	:EPO	Eindhoven Netherlands
(86) International Application	:PCT/IB2012/052106	(72)Name of Inventor :
No	:27/04/2012	1)LEE Kwan Nai
Filing Date	.27/04/2012	2)VAN LIEROP Maarten
(87) International Publication	:WO 2012/150533	3)BIJLSMA Albert
No		4)MOS Barry
(61) Patent of Addition to	:NA	5)NUIJENS Petrus Gerardus Josephus Maria
Application Number	:NA	
Filing Date		
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date		

#### (57) Abstract :

The present invention relates to an optical device (229) for forming a light beam which optical device comprises a lens (330) having a top section (331) configured to receive light emitted by a light source (220) a bottom section (332) configured to allow the received light to exit the lens and a plurality of side sections (333) stretching from the top section to the bottom section. The plurality of side sections enclose the lens and are adapted to reflect and refract incident rays of the received light. A cross section (334) of the lens in a plane perpendicular to a centre axis (338) stretching from the top section to the bottom section has the shape of a polygon which polygon is oriented in a lengthwise direction (335) and in a transversal direction (336) being perpendicular to each other. Furthermore the lens is adapted such that the received light exits the lens as a light beam formed to an elongated shape (5) at a predetermined distance (4) from the optical device. With the presented optical device a compact lens enabling for a desired elongated illumination distribution is provided.

No. of Pages : 20 No. of Claims : 15

(21) Application No.9187/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :16/11/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : DEVICE COMPRISING A MOVABLY ARRANGED FUNCTIONAL BODY AND A SAFETY MECHANISM FOR STOPPING MOVEMENT OF THE FUNCTIONAL BODY

(51) International classification	:A47L9/04,A47L11/40	(71)Name of Applicant :
(31) Priority Document No	:11164543.8	1)KONINKLIJKE PHILIPS N.V.
(32) Priority Date	:03/05/2011	Address of Applicant : High Tech Campus 5 NL 5656 AE
(33) Name of priority country	:EPO	Eindhoven Netherlands
(86) International Application No	:PCT/IB2012/052019	(72)Name of Inventor :
Filing Date	:23/04/2012	1)DE WIT Bastiaan Johannes
(87) International Publication No	:WO 2012/150521	2)VOORHORST Fokke Roelof
(61) Patent of Addition to Application	:NA	3)VAN DER KOOI Johannes Tseard
Number	:NA :NA	4)SETAYESH Sepas
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A device for performing an action on a surface comprises at least one movably arranged functional body (21 22) driving means for driving the functional body (21 22) main safety means for decoupling the driving means from the functional body (21 22) when a load exerted by the functional body (21 22) in the direction of the driving means under the influence of resistance forces experienced by the functional body (21 22) exceeds a predetermined maximum value and additional safety means (40) which are movably arranged in the vicinity of the functional body (21 22) and which are capable of exerting loads on the main safety means to different extents in different positions at a side of the main safety means associated with the functional body (21 22). The additional safety means may comprise a bar (40) having a non circular cross sectional area which is rotatable about its longitudinal axis (41).

No. of Pages : 25 No. of Claims : 15

(21) Application No.938/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :05/02/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DEVICE AND METHOD FOR REGULATING THE CHAMBER PRESSURE OF COKING CHAMBERS OF A COKE OVEN BATTERY USING ADJUSTABLE DIAPHRAGMS AT THE ASCENDING PIPE ELBOW OPENINGS INTO THE RAW GAS RECEIVERS

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application</li> </ul>	n :C10B27/06,C10B41/08,F16K3/03 :10 2010 035 154.7 :23/08/2010 :Germany :PCT/EP2011/004112 :16/08/2011 :WO 2012/031667 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)THYSSENKRUPP UHDE GMBH Address of Applicant :Friedrich Uhde Str. 15 44141 Dortmund Germany</li> <li>(72)Name of Inventor :</li> <li>1)KREBBER Frank</li> <li>2)HUHN Friedrich</li> </ul>
Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a device for regulating the chamber pressure of coking chambers of a coke oven battery using adjustable iris diaphragms or iris nozzles at the ascending pipe elbow openings in the raw gas receiver. The gas stream flowing from the gas chamber of a coking chamber into the raw gas receiver can thus be regulated in permeability so that the pressure in the gas chamber of the coking chamber can be regulated. The invention also relates to a method for regulating the gas stream which flows out the gas chamber of a coking chamber wherein the pressure in the coking chamber is regulated by said control and wherein also the liquid stream is regulated which serves to wash out the coking gases from the raw gas stream of the coking chamber.

No. of Pages : 27 No. of Claims : 25

(21) Application No.9820/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :10/12/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHODS AND APPARATUS RELATED TO AN OPTICAL LENS FOR A LED

(51) International classification	n:G02B17/08,G02B27/09,F21V5/04	(71)Name of Applicant :
(31) Priority Document No	:61/498830	1)KONINKLIJKE PHILIPS N.V.
(32) Priority Date	:20/06/2011	Address of Applicant : High Tech Campus 5 NL 5656 AE
(33) Name of priority country	:U.S.A.	Eindhoven Netherlands
(86) International Application	:PCT/IB2012/053033	(72)Name of Inventor :
No	:15/06/2012	1)LACROIX Luc Guy Louis
Filing Date	.15/00/2012	
(87) International Publication	:WO 2012/176103	
No		
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date		
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date		

(57) Abstract :

Methods and apparatus for an optical lens (10 110) suitable to provide an asymmetric light output pattern when utilized in combination with at least one LED. The optical lens (10 110) may include a revolved section (20 120) having and an extruded section (40 140) extending from the end of the revolved section (20 120). One or more surface features may optionally be applied to portions of the outer surface of the optical lens (10 110).

No. of Pages : 30 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :27/11/2013

(21) Application No.9500/CHENP/2013 A

(43) Publication Date : 21/11/2014

(54) Title of the invention : FUEL CELL VEHICLE

(51) International classification	:B60H1/32,B60H1/22,B60K1/04	(71)Name of Applicant :
(31) Priority Document No	:2012015268	1)SUZUKI MOTOR CORPORATION
(32) Priority Date	:27/01/2012	Address of Applicant :300 Takatsuka cho Minami ku
(33) Name of priority country	:Japan	Hamamatsu shi Shizuoka 4328611 Japan
(86) International Application No.	p:PCT/JP2012/068061	(72)Name of Inventor :
Filing Date	:17/07/2012	1)IKEYA Kengo
(87) International Publication No	:WO 2013/111367	2)MATSUMOTO Shiro
(61) Patent of Addition to	:NA	3)OZAWA Naoki
Application Number	:NA :NA	4)UMEZANE Yuuichi
Filing Date	.114	
(62) Divisional to Application	:NA	
Number	:NA :NA	
Filing Date	.11A	

#### (57) Abstract :

A fuel cell vehicle is configured such that: the vehicle is provided with an air cooled fuel cell stack and heat pump air conditioning device; in the heat pump air conditioning device a compressor internal heat exchanger expansion valve and external heat exchanger are disposed in a refrigerant circulation path in that order; the external heat exchanger includes a cooling external heat exchanger and a heating external heat exchanger; the air cooled fuel cell stack cooling external heat exchanger and heating external heat exchanger are disposed in the front part of the vehicle; and the heating external heat exchanger is heated by outside air obtained after cooling the air cooled fuel cell stack. An intake duct and exhaust duct are attached to the front and rear of the air cooled fuel cell stack respectively and when viewed from the front of the vehicle the intake duct and cooling external heat exchanger are disposed at the front side part of the vehicle in a state so as to not overlap each other. The heating external heat exchanger is disposed at the rear part of the exhaust duct. The air conditioning performance of the heat pump air conditioning device can be improved by the above and the operability of the air cooled fuel cell stack can also be improved.

No. of Pages : 27 No. of Claims : 5

#### (19) INDIA

(22) Date of filing of Application :18/11/2013

(21) Application No.5309/CHE/2013 A

### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : EXTRUSION OR INJECTION MOLDING MACHINE PURGING COMPOSITION AND METHOD

(57) Abstract :

A composition comprising 10-80% by weight of a cellulose ether and a solvent selected from a water-soluble polyhydric alcohol, polyhydric alcohol ether, polyhydric alcohol ester, and ethanolamine is effective for purging extrusion and injection molding machines. The purging composition exerts a satisfactory purging or cleaning effect, but little abrasion effect, thus avoiding any abrasion of machine internal components by purging. Even if part of the purging composition is left within the machine after the composition is discharged out, the residue can be readily removed.

No. of Pages : 23 No. of Claims : 8

#### (19) INDIA

(22) Date of filing of Application :13/02/2013

(21) Application No.628/CHE/2013 A

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : TERMINAL BASE OF POWER SUPPLY DEVICE FOR ELECTRIC VEHICLE

(51) International classification	:H01R	(71)Name of Applicant :
(31) Priority Document No	:2012-	1)HONDA MOTOR CO., LTD.
	034058	Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME,
(32) Priority Date	:20/02/2012	MINATO-KU, TOKYO, 107-8556 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)KAWATANI, SHINJI
Filing Date	:NA	2)NAKAYAMA, MASARU
(87) International Publication No	: NA	3)SHOKAKU, ISAO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

To provide a terminal base of a power supply device for electric vehicle wherein electrical connection terminals on the vehicle body side can be easily connected to electrical connection terminals on the battery pack side. [Solving Means] A base 2 92 is provided with an opening 2 91 for accepting an insulator board 64 on which male-side terminals 63 are held. The opening 2 91 is provided with a first lower guide 301 and a first upper guide 300, and with a second lower guide 299 and a second upper guide 298. A first edge of the insulator board 64 is clamped by the first lower guide 3 01 and the first upper guide 3 00 from the lower and upper sides. A second edge opposed to the first edge of the insulator board 64 is clamped by the second lower guide 299 and the second upper guide 2 98 from the lower and upper sides. In this manner, the insulator board 64 is supported in a floating state. The tip of each of the male-side terminals 63 is beveled for preventing the tip from being caught at the time of connecting the male-side terminals to the female-side terminals

No. of Pages : 106 No. of Claims : 3

(21) Application No.9196/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :18/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : CONTEXT AWARENESS PROXIMITY BASED WIRELESS CONNECTION ESTABLISHMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:H04m :13/157941 :10/06/2011 :U.S.A. :PCT/US2011/046906 :08/08/2011 :WO 2012/170051	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :5775 Morehouse Drive San Diego CA</li> <li>92121 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)TIAN Dan</li> </ul>
<ul> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	

#### (57) Abstract :

A mechanism for context awareness proximity based establishment of wireless communication connections can be implemented in Bluetooth compatible devices for device discovery connection service discovery and content exchange. In response to determining to execute a context task associated with an application associated with a first communication device the first communication device can determine whether a second communication device is within a threshold detection distance from the first communication device. If the second communication device is within the threshold detection distance from the first communication device the first communication device can establish a communication link with the second communication device based at least in part on one or more connection parameters associated with the second communication device. The first communication device can determine whether to execute the context task based at least in part on a service list associated with the second communication device and the context task.

No. of Pages : 68 No. of Claims : 25

#### (19) INDIA

(22) Date of filing of Application :29/11/2013

(54) Title of the invention : VEHICLE ACCOMMODATION STRUCTURE

(21) Application No.5518/CHE/2013 A

(43) Publication Date : 21/11/2014

#### (51) International classification :A471 (71)Name of Applicant : :2013-1)SUZUKI MOTOR CORPORATION (31) Priority Document No 001949 Address of Applicant :300, Takatsuka-cho, Minami-ku, (32) Priority Date :09/01/2013 Hamamatsu, Shizuoka 432-8611, Japan (72)Name of Inventor : (33) Name of priority country :Japan 1)Yuki WAKIZAKA (86) International Application No :NA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract :

To provide a vehicle accommodation structure capable of absorbing impact energy applied to a passenger, should the passenger come into contact with the vehicle accommodation structure. An accommodation structure 100 includes an instrument panel 102 having an opening 106 at a position opposite to a passenger, and an accommodating member 104 installed inward of the opening 106. The accommodating member 104 has a box shape that opens to the passenger side, and is provided with a bottom face 108, side walls 110a and 110b arranged on two sides in a vehicle-width direction, an inner wall 112, a top face 114, a hinge portion 116 that is provided between the inner wall 112 and the top face 114 and enables opening/closing of the top face 114, and a first claw part 120a and a second claw part 120b that are provided on an upper edge of the side wall 110a and coupled to the top face 114. The top face 114 has an inclined area 132 in a region of a rear end 128 of the top face 114 that is inclined so as to extend more obliquely upward toward the passenger side than surrounding areas.

No. of Pages : 21 No. of Claims : 6

(19) INDIA

(22) Date of filing of Application :29/11/2013

(21) Application No.5520/CHE/2013 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : INFORMATION PROVIDING METHOD AND MOBILE TERMINAL THEREFOR

(51) International classification	:G08B	(71)Name of Applicant :
(21) Driverites Descent Ne	:10-2012-	1)SAMSUNG ELECTRONICS CO., LTD.
(31) Priority Document No	0139246	Address of Applicant :129, Samsung-ro, Yeongtong-gu,
(32) Priority Date	:03/12/2012	Suwon-si, Gyeonggi-do, 443-742, Republic of Korea
	:Republic	(72)Name of Inventor :
(33) Name of priority country	of Korea	1)Ju-youn LEE
(86) International Application No	:NA	2)Sang-hyup LEE
Filing Date	:NA	3)Min-jeong KO
(87) International Publication No	: NA	4)Kwang-choon KIM
(61) Patent of Addition to Application Number	:NA	5)Jung-won SUH
Filing Date	:NA	6)Seung-hyuck SHIN
(62) Divisional to Application Number	:NA	7)Sung-jin YOON
Filing Date	:NA	

#### (57) Abstract :

An information providing method using a mobile terminal is provided. The information providing method includes placing the mobile terminal within a communication range of a Bluetooth Low Energy (BLE) device previously registered in the mobile terminal, receiving identification information from the BLE device, extracting previously set notification information corresponding to the received identification information of the BLE device, and outputting a notification message to the mobile terminal based on the extracted previously set notification information.

No. of Pages : 113 No. of Claims : 15

(21) Application No.9129/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :13/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD DEVICE AND SYSTEM FOR TRANSMITTING CHANNEL INFORMATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:H04L12/58 :201110145863.4 :01/06/2011 :China :PCT/CN2012/072997 :26/03/2012 :WO 2012/163156 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)HUAWEI TECHNOLOGIES CO. LTD. Address of Applicant :Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China</li> <li>(72)Name of Inventor :</li> <li>1)YANG Xun</li> <li>2)LI Yunbo</li> <li>3)WU Tianyu</li> <li>4)ZHU Hufei</li> </ul>
Filing Date	:NA :NA	

#### (57) Abstract :

Disclosed is a method for transmitting channel information in the field of wireless communications. The method comprises: a beamformer sending a request for obtaining channel information to a beamformee within the time length of a current first transmit opportunity (TXOP); receiving a null feedback frame from the beamformee within the time length of the first TXOP; within the validity period of the channel information if the beamformer obtains a second TXOP sending a channel information indicating frame within the second TXOP to request the channel information and receiving the channel information sent from the beamformee. Also disclosed are a device and system for transmitting channel information the system comprises a beamformer and a beamformee. In the present invention the signaling resources of the beamformer and the power overhead of the beamformee are saved.

No. of Pages : 42 No. of Claims : 27

(21) Application No.9545/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :28/11/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : COMPOSITIONS AND METHODS FOR INHIBITION OF EXPRESSION OF APOLIPOPROTEIN C III (APOC3) GENES

(57) Abstract :

The invention relates to double stranded ribonucleic acid (dsRNA) targeting an APOC3 gene and methods of using the dsRNA to inhibit expression of APOC3.

No. of Pages : 272 No. of Claims : 24

(21) Application No.5101/CHE/2013 A

#### (19) INDIA

(22) Date of filing of Application :11/11/2013

(54) Title of the invention : DATA CONSISTENCY MANAGEMENT

(43) Publication Date : 21/11/2014

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:13/685,351	1)ACCENTURE GLOBAL SERVICES LIMITED
(32) Priority Date	:26/11/2012	Address of Applicant :3 GRAND CANAL PLAZA, GRAND
(33) Name of priority country	:U.S.A.	CANAL STREET UPPER, DUBLIN 4, IRELAND Ireland
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Chen FU
(87) International Publication No	: NA	2)Sugi VENUGEETHAN
(61) Patent of Addition to Application Number	:NA	3)Kunal TANEJA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A data consistency management system may include a memory storing machine readable instructions to receive a query, and determine a suitability of the query for processing by a NoSQL data store, or a RDBMS. The memory may further include machine readable instructions to rank data tables based on a combination of read queries and query patterns suitable for the NoSQL data store. Based on the ranking, the memory may further include machine readable instructions to determine data tables that are to be managed by the NoSQL data store, or by the RDBMS, determine whether the query is for a data table managed by the NoSQL data store, and based on a determination that the query is for a data table managed by the NoSQL data store, translate the query to NoSQL API calls for using the NoSQL data store to respond to the query.

No. of Pages : 38 No. of Claims : 20

(19) INDIA

(22) Date of filing of Application :26/12/2012

(21) Application No.5457/CHE/2012 A

(43) Publication Date : 21/11/2014

(54) Title of the invention : METHOD OF DISPLAYING POINTS OF INTEREST		
(51) International classification	:G01C21/00	(71)Name of Applicant :
(31) Priority Document No	:11 195 963.1	1)HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH Address of Applicant :BECKER-GORING-STRABE 16,
(32) Priority Date	:28/12/2011	76307 KARLSBAD Germany
(33) Name of priority country	:EPO	(72)Name of Inventor :
(86) International Application No	:NA	1)STRASSENBURG-KLECIAK MAREK
Filing Date	:NA	2)RADNER MARKUS
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

Method of displaying Points of Interest A method of displaying points of interest in a perspective view of a geographical area on a display of a navigation device is provided. In the method, a perspective view of the geographical area is displayed on the display of the navigation device. Further, points of interest are displayed as graphical symbols in the perspective view, wherein the size of each graphical symbol is dependent on the distance of the respective point of interest from a view point of the perspective view, such that graphical symbols for points of interest located further away from the view point are displayed smaller than graphical symbols for points of interest located closer to the view point. Each point of interest is associated with a point of interest-category.

No. of Pages : 28 No. of Claims : 16

(21) Application No.9512/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : WIRELESS PROSPECTIVE MOTION MARKER

(51) International classification (31) Priority Document No	:A61B5/055,A61B5/11,G01R33/565 :61/488858	<ul> <li>(71)Name of Applicant :</li> <li>1)KONINKLIJKE PHILIPS N.V.</li> <li>Address of Applicant :High Tech Campus 5 NL 5656 AE</li> </ul>
(32) Priority Date	:23/05/2011	Eindhoven Netherlands
(33) Name of priority countr		(72)Name of Inventor :
<ul> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:PCT/IB2012/052460 :16/05/2012	1)LIN Wei 2)SAYLOR Charles Albert 3)REYKOWSKI Arne
<ul> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	

#### (57) Abstract :

A magnetic resonance system includes a magnetic resonance scanner (8) and a magnetic resonance scan controller (24). A plurality of markers (40 140) are attached to the subject to monitor motion of a portion of a subject within an examination region. A motion control unit receives motion data from the markers indicative of the motion and controls the magnetic scan controller to adjust scan parameters to compensate for the motion. In one embodiment the marker (40) includes a substance (44) which resonates at a characteristic frequency in response to radio excitations by the magnetic resonance scanner. A controller (52) switches an inductive circuit (48 50) disposed adjacent the substance between a tuned state and a detuned state. In another embodiment the motion sensor includes an accelerometer a gyroscope a motion sensor or a Hall effect element and a controller (144) which gathers motion data generated by the element and provides temporary storage for the motion data. A communication unit (146 148 150) transmits the motion data wirelessly.

No. of Pages : 23 No. of Claims : 20

(21) Application No.9529/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :28/11/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD AND SERVER IN COLOR RING WEB SYSTEM FOR PREVENTING VICIOUS RING TONE SUBSCRIPTIONS.

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:H04W8/18 :201110109049.7	(71)Name of Applicant : 1)ZTE CORPORATION
(32) Priority Date	:28/04/2011	Address of Applicant :ZTE Plaza Keji Road South Hi Tech
(33) Name of priority country	:China	Industrial Park Nanshan Shenzhen Guangdong 518057 China
(86) International Application No	:PCT/CN2011/076205	(72)Name of Inventor :
Filing Date	:23/06/2011	1)LING Zhouyang
(87) International Publication No	:WO 2012/145962	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The present invention relates to a method and a server in a color ring Web system for preventing vicious ring tone subscriptions. The method includes: the server records active path information of necessary steps in a ring tone subscription process and compresses the active path information into stack sensitive information (S101); receives the subscription request inputted by a user and compresses the subscription request into stack sensitive information (S102); based on the stack sensitive information using a predetermined association iterative algorithm calculates a reliability index of the subscription request (S103); and filters the subscription request when the reliability index exceeds a preset threshold (S104). By importing the stack mechanism and the token ring similar mechanism the present invention can effectively perform security control to plurality of ways of vicious ring tone subscriptions such as login by a program simulated robot imitating a legal user access through a browser address and repetitious submission by a legal login user thereby improving security of the Web system and ensuring the together profit among the color ring users the operator and the color ring content provider.

No. of Pages : 23 No. of Claims : 12

(21) Application No.9344/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :21/11/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METHOD AND DEVICE FOR OBTAINING GAS PRODUCTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B01D53/14,C01B3/52 :10 2011 107 814.6 :01/07/2011 :Germany :PCT/EP2012/002516 :14/06/2012 :WO 2013/004335 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LINDE AKTIENGESELLSCHAFT Address of Applicant :Klosterhofstr. 1 80331 M¼nchen </li> <li>Germany (72)Name of Inventor : 1)WEISS Horst 2)BRANDL Alexander </li> </ul>
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(57) Abstract :

The invention relates to a method and to a device for physical gas scrubbing wherein a feed gas (1) containing hydrogen carbon monoxide carbon dioxide and also carbonyl sulphide and/or hydrogen sulphide is conducted through a first scrubbing section (W1) in countercurrent to a scrubbing medium preloaded with carbon dioxide in order to separate sulphur components substantially selectively off from the feed gas and to generate a desulphurized gas mixture (3). In a second scrubbing section carbon dioxide is separated off from only a subquantity of the desulphurized gas mixture by scrubbing with an unloaded scrubbing medium (4) and the resultant carbon dioxide preloaded scrubbing medium is used completely in the first scrubbing section (W1) as scrubbing medium.

No. of Pages : 15 No. of Claims : 11

(19) INDIA

(22) Date of filing of Application :28/11/2013

(21) Application No.9568/CHENP/2013 A

(43) Publication Date : 21/11/2014

## (54) Title of the invention : DATA TRANSMISSION METHOD DATA TRANSMISSION DEVICE AND TERMINAL PROVIDED WITH TOUCH SCREEN

	<ul> <li>classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No</li> <li>Filing Date</li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to</li> <li>Application Number</li> </ul>	:G06F3/0488,G06F3/0484,H04W92/18 :201210288366.4 :14/08/2012 :China :PCT/CN2013/081479 :14/08/2013 :WO 2014/026612 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)HUAWEI DEVICE CO. LTD. Address of Applicant :Building B2 Huawei Industrial Base Bantian Longgang Shenzhen Guangdong 518129 China</li> <li>(72)Name of Inventor :</li> <li>1)YAN Shi</li> </ul>
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(57) Abstract :

Disclosed are a data transmission method a data transmission device and a terminal provided with a touch screen. The method comprises: when a touch on a file displayed on a touch screen is detected determining whether an attribute of the touch meets a preset condition or not the attribute of the touch comprising at least one of a file touching time a file dragging track and a final position of the dragged file; and if the attribute of the touch meets the preset condition transmitting the file to a target terminal through an established short distance wireless communication data channel. By means of embodiments of the present invention the data transmission efficiency can be improved.

No. of Pages : 29 No. of Claims : 9

(21) Application No.979/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :06/02/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : MOTOR CONTROL DEVICE AND METHOD FOR CONTROLLING MOTOR CONTROL DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Eiling Date</li> </ul>	:26/07/2010 :WO 2012/014249 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)MITSUBISHI ELECTRIC CORPORATION Address of Applicant :7 3 Marunouchi 2 chome Chiyoda ku Tokyo 1008310 Japan</li> <li>(72)Name of Inventor :</li> <li>1)NOGUCHI Tomohiro</li> <li>2)KAITANI Toshiyuki</li> </ul>
Filing Date	:NA	

(57) Abstract :

Disclosed is a motor control device that detects abnormalities of a motor or of a machine corresponding to the load of the motor and thus is effective in protecting the motor or machine. Further disclosed is a method for controlling same. The device compares a second torque value and a motor velocity detected from the motor while the motor is running to a lower bound and an upper bound of a torque tolerance determined from a third torque value. As a result when the abovementioned third torque value falls outside of the abovementioned lower bound or upper bound of the torque tolerance the motor is halted in accordance with the difference between the abovementioned third torque and the torque tolerance. As a result of the above in all velocity ranges of the motor including a low velocity region abnormalities of the motor are rapidly and accurately detected and the device is effective in protecting the motor or the machine corresponding to the load of the motor.

No. of Pages : 23 No. of Claims : 7

(21) Application No.9174/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :15/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : APPARATUS AND METHODS FOR MEDIA ACCESS CONTROL CONTROL REPLACEMENT

<ul><li>(51) International</li><li>classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:H04L29/06,H04W28/06,H04L1/00 :61/487814 :19/05/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)QUALCOMM INCORPORATED Address of Applicant :Attn: International Ip Administration</li> <li>5775 Morehouse Drive San Diego CA 92121 U.S.A.</li> </ul>
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No		1)WENTINK Maarten Menzo 2)ABRAHAM Santosh Paul
Filing Date	:18/05/2012	3)MERLIN Simone
(87) International Publication	:WO 2012/159082	4)AWATER Geert 5)TAGHAVI NASRABADI Mohammad H.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	6)QUAN Zhi 7)SAMPATH Hemanth 8)ASTERJADHI Alfred
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Systems methods and devices for communicating packets having a plurality of types are described herein. The sender or receiver MAC address depending on the packet direction is substituted with a shorter local identifier in order to reduce packets overhead.

No. of Pages : 103 No. of Claims : 34

(21) Application No.9179/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :16/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : WORKING MEDIUM AND HEAT CYCLE SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:2011112417 :19/05/2011 :Japan	<ul> <li>(71)Name of Applicant :</li> <li>1)ASAHI GLASS COMPANY LIMITED Address of Applicant :5 1 Marunouchi 1 chome Chiyoda ku Tokyo 1008405 Japan</li> <li>(72)Name of Inventor :</li> <li>1)FUKUSHIMA Masato</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention provides the following: a working medium for use in a heat cycle said working medium allowing a heat cycle system with excellent cycle performance (capacity) and having reduced combustibility and little impact on the ozone layer and global warming; and a safe heat cycle system with excellent cycle performance (capacity). A working medium containing 1 1 2 trifluoroethylene is used in a heat cycle system (a Rankine cycle system a heat pump cycle system a refrigeration cycle system (10) a heat transport system or the like).

No. of Pages : 31 No. of Claims : 13

#### (19) INDIA

(22) Date of filing of Application :10/12/2013

(21) Application No.9826/CHENP/2013 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : SPATIAL SAMPLING IMPROVEMENT FOR LIST MODE PET ACQUISITION USING PLANNED TABLE/GANTRY MOVEMENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	p:PCT/IB2012/052762	1)KONINKLIJKE PHILIPS N.V. Address of Applicant :High Tech Campus 5 NL 5656 AE Eindhoven Netherlands (72)Name of Inventor :
Filing Date	:01/06/2012	1)TUNG Chi Hua
(87) International Publication No.	0:WO 2012/172452	2)ZHANG Bin 2)DAL Changhang
(61) Patent of Addition to Application Number	:NA	3)DAI Changhong
Filing Date	:NA	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.1111	

(57) Abstract :

A PET apparatus includes a detector array including individual detectors which receive radiation events from an imaging region. A movement controller controls at least one of relative longitudinal movement between a subject support and the detector array and circumferential movement between the detector array and the subject. A time stamp processor assigns a time stamp to each received radiation event. A list mode event storage buffer stores time stamped events. An event verification processor screens for coincidentally received radiation events locations at which each pair of corresponding coincidentally received events defining a line of response. A reconstruction processor reconstructs valid events into an image representation of the imaging region.

No. of Pages : 16 No. of Claims : 20

(21) Application No.9827/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :10/12/2013

(54) Title of the invention : HYBRID POINT BASED REGISTRATION

(43) Publication Date : 21/11/2014

#### (51) International classification :G06T7/00 (71)Name of Applicant : (31) Priority Document No :61/497546 1)KONINKLIJKE PHILIPS N.V. (32) Priority Date :16/06/2011 Address of Applicant : High Tech Campus 5 NL 5656 AE (33) Name of priority country :U.S.A. Eindhoven Netherlands :PCT/IB2012/052802 (72)Name of Inventor : (86) International Application No 1)BZDUSEK Karl Antonin Filing Date :04/06/2012 (87) International Publication No :WO 2012/172454 2)ALLAIRE Stephane (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract :

A system (28 32) generates an image registration map. The system (28 32) includes one or more processors (32) which receive a first image and a second image. Corresponding interest points in the first image and the second image are identified. Corresponding structures in the first and second images are identified and corresponding boundary points are identified on their boundaries. A registration map is generated from pairs of the corresponding interest points and a subset of pairs of the corresponding boundary points. The registration map is applied to one of the first and second images to register the one image to the other and propagate objects of interest over.

No. of Pages : 18 No. of Claims : 20

(21) Application No.9413/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :22/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SENSOR MOUNT VIBRATION REDUCTION

(51) International classification:G01C19/56,G01C19/560(31) Priority Document No:13/096450(32) Priority Date:28/04/2011(33) Name of priority country:U.S.A.(86) International Application No Filing Date:PCT/US2012/035367(87) International Publication No to Application Number Filing Date:WO 2012/149256(87) International Filing Date:WA(87) International Publication No to Application Number Filing Date:NA :NA(80) Divisional to Application Number Filing Date:NA :NA	<ul> <li>7,G01C19/5719</li> <li>(71)Name of Applicant : <ul> <li>1)CUSTOM SENSORS &amp; TECHNOLOGIES INC.</li> <li>Address of Applicant :14401 Princeton Avenue Moorpark</li> <li>California 93021 U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)MOORE Robert H.</li> </ul> </li> </ul></li></ul>
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(57) Abstract :

.Techniques are provided for reducing mount vibration in an inertial rate sensor (IRS). For example if oscillation in an IRS s vibratory members vibrating along a first axis cause displacement in the IRS s mount along a second axis the vibratory members can be aligned so that the vibratory members have some component of movement along the second axis during oscillation. This component of movement can help reduce the displacement of the IRS s mount along the second axis. It can further reduce sensitivity to changes in the boundary conditions of an IRS ( vibrations and other movements at the mount from forces external to the IRS). Vibratory members further can have portions of increased mass at the vibratory members tips which can impact the alignment of the vibratory members. These examples however are not exhaustive.

No. of Pages : 22 No. of Claims : 20

(21) Application No.9414/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :22/11/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : SHAFT TYPE CROSS FLOW FAN AND METHOD FOR MANUFACTURING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA :PCT/JP2011/060292 :27/04/2011 :WO 2012/147182 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)FANTEC CO. LTD Address of Applicant :943 12 Akasaka cho Sano shi Tochigi 3270004 Japan</li> <li>(72)Name of Inventor :</li> <li>1)OHNO Hiroyuki</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

To provide a cross flow fan having excellent ease of balance adjustment low cost high precision high rigidity and a high degree of silence without the need for an ultrasonic welding step and to provide a method for manufacturing the cross flow fan. [Solution] This method comprises: a first step of injection molding a plurality of double fans made of resin and configured according to a cross flow scheme having a bearing portion and a fixed portion in a central wall; a second step of fabricating a connecting shaft corresponding to the desired fan length; a third step of inserting the connecting shaft fabricated in the second step into the bearing portion of the double fans molded in the first step; a fourth step of fixing the connecting shaft and the fixing portion using an engaging fixture; a fifth step of repeating the third and fourth steps to obtain the desired fan length; and a sixth step of adjusting balance as needed.

No. of Pages : 27 No. of Claims : 4

(21) Application No.9418/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :25/11/2013

(54) Title of the invention : ALN SUBSTRATE AND METHOD FOR PRODUCING SAME

(43) Publication Date : 21/11/2014

#### (51) International classification :C04B35/581 (71)Name of Applicant : (31) Priority Document No :2011155856 1)A.L.M.T. Corp. (32) Priority Date :14/07/2011 Address of Applicant :11 11 Shiba 1 chome Minato ku Tokyo (33) Name of priority country :Japan 1050014 Japan :PCT/JP2012/067100 (72)Name of Inventor : (86) International Application No 1)YAMAMOTO Takehisa Filing Date :04/07/2012 2)ISHIDU Sadamu (87) International Publication No :WO 2013/008697 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract :

Provided are an AlN substrate which has excellent heat transfer efficiency between other members such as a semiconductor substrate to be bonded to a bonding surface and a method for producing the AlN substrate. The AlN substrate is composed of an AlN sintered body containing a 2A group element and a 3A group element surface roughness Ra of the bonding surface is 3 nm or less and the mean value of the length of voids with a length of 0.25  $\mu$ m or more that are exposed on the bonding surface is 1.5  $\mu$ m or less the maximum value being 1.8  $\mu$ m or less. The method for producing the AlN substrate comprises sintering at a temperature of 1 500 1 900°C a precursor formed of a sintering material which contains 88.7 98.5 mass% of AlN 0.01 0.3 mass% of a 2A group element calculated as oxide and 0.05 5 mass% of a 3A group element calculated as oxide to form a sintered body and HIP treating the sintered body at a temperature of 1 450 2 000°C and at a pressure of 9.8 MPa or more.

No. of Pages : 65 No. of Claims : 8

#### (21) Application No.5502/CHE/2013 A

# (19) INDIA

(22) Date of filing of Application :29/11/2013

(54) Title of the invention : METHOD OF PEST CONTROL

(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K :201210511214.6 :03/12/2012 :China :NA :NA :NA :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ul> <li>1)BELJING DABEINONG TECHNOLOGY GROUP CO.,</li> <li>LTD.</li> <li>Address of Applicant :No. 14 Floor Zhongguancun Building,</li> <li>No. 27 Zhongguancun Street, Haidian District, Beijing 100080, F</li> <li>R. China China</li> <li>2)BELJING DABEINONG TECHNOLOGY GROUP CO.,</li> <li>LTD., BIOTECH CENTER</li> <li>3)BELJING GREEN AGROSINO PLANT PROTECTION</li> <li>TECHNOLOGY CO., LTD.</li> <li>(72)Name of Inventor : <ul> <li>1)Shengbing LI</li> <li>2)Yuejing KANG</li> <li>3)Peng CHENG</li> <li>4)Ruiqi NIU</li> <li>5)Jing LIU</li> <li>6)Xiaoqian SONG</li> <li>7)Li LIU</li> </ul> </li> <li>8)Jinfeng ZHANG</li> <li>9)Kangle TIAN</li> <li>10)Yanxiao LIU</li> </ul></li></ul>

(57) Abstract :

The present invention provides a method for controlling Conogethes punctiferalis, which comprises contacting Conogethes punctiferalis with Cry1A protein. The present invention achieves the control of Conogethes punctiferalis by enabling plants to produce Cry1A protein in vivo, which is lethal to Conogethes punctiferalis. In comparison with current agricultural and chemical control methods, the method of the present invention can control Conogethes punctiferalis throughout the growth period of the plants and provide the plants with a full protection. Additionally, the method is stable, complete, simple, convenient, economical, pollution-free and residue-free.

No. of Pages : 46 No. of Claims : 19

(21) Application No.8844/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :04/11/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : AQUEOUS COMPOSITE RESIN COMPOSITION AND ARTICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority</li> <li>country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to</li> <li>Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:C08L67/02,C08G63/688,C08L63/00 :2011101127 :28/04/2011 :Japan :PCT/JP2012/056069 :09/03/2012 :WO 2012/147418 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)DIC Corporation Address of Applicant :35 58 Sakashita 3 chome Itabashi ku Tokyo 1748520 Japan</li> <li>(72)Name of Inventor :</li> <li>1)HIGESHIRO Tomokazu</li> <li>2)KITADA Mitsuru</li> </ul>

(57) Abstract :

The problem to be solved by the invention is to provide an aqueous composite resin composition with which it is possible to form a coating film having excellent long term shelf life and excellent water resistance and solvent resistance. The invention relates to an aqueous composite resin composition comprising composite resin particles (A) wherein a portion or all of epoxy resin (a2) is encapsulated in particles of polyester resin (a1) having sulfonic acid groups and (B) an aqueous medium the aqueous composite resin composition being characterized in that the mass ratio [(a1)/(a2)] of polyester resin (a1) and epoxy resin (a2) forming the composite resin particles (A) is within a range of 95/5 to 30/70. The invention also pertains to a coating agent.

No. of Pages : 76 No. of Claims : 7

(21) Application No.9436/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :25/11/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : SYNCHRONIZATION DEVICE AND SYNCHRONIZATION METHOD

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:2011121461 :31/05/2011 :Japan	<ul> <li>(71)Name of Applicant :</li> <li>1)NEC Corporation <ul> <li>Address of Applicant :7 1 Shiba 5 chome Minato ku Tokyo</li> </ul> </li> </ul>
(86) International Application No Filing Date	:PCT/JP2012/061980 :10/05/2012	(72)Name of Inventor : 1)OGAWA Takatoshi
(87) International Publication No	:WO 2012/165115	
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date (62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A first synchronization signal for synchronization with a synchronization signal source is acquired from a first signal source a first signal synchronization signal source is generated on the basis of the first synchronization signal a second synchronization signal for synchronization with the synchronization signal source is acquired from a second signal source that is different from the first signal source a second signal synchronized with the synchronization signal source is generated on the basis of the second synchronization signal a timing signal synchronized with the synchronization signal source is generated on the basis of a synchronization signal a timing signal synchronized with the synchronization signal source is generated on the basis of a synchronization device first signal the phase difference between the timing signal and second signal is output and an offset is set on the basis of the phase difference in such a way that the phase difference between the timing signal and second signal is eliminated.

No. of Pages : 33 No. of Claims : 5

(21) Application No.9533/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :28/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : AUTOSTEREOSCOPIC DISPLAY DEVICE (51) International classification :G02B27/22 (71)Name of Applicant : (31) Priority Document No :11168099.7 1)KONINKLIJKE PHILIPS N.V. (32) Priority Date :30/05/2011 Address of Applicant : High Tech Campus 5 NL 5656 AE (33) Name of priority country :EPO Eindhoven Netherlands (72)Name of Inventor : (86) International Application No :PCT/IB2012/052421 1)KROON Bart Filing Date :15/05/2012 (87) International Publication No :WO 2012/164425 2)JOHNSON Mark Thomas (61) Patent of Addition to Application 3)VAN DELDEN Martinus Hermanus Wilhelmus Maria :NA Number **4)NEWTON Philip Steven** :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract :

A lenticular lens based autostereoscopic display arrangement uses a display arrangement such as an emissive display arrangement or a reflective display arrangement. The interface between adjacent lenticular lenses (49) is interrupted by a light shielding arrangement (50) which extends at least from the lens surface at the interface into the lens structure thereby providing a shield extending beneath the lens surface. This reduces lateral progression of light in the lenticular lens arrangement and thereby reduces cross talk caused by waveguiding in the lens material.

No. of Pages : 27 No. of Claims : 10

(21) Application No.9618/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :30/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DEVICES AND METHODS FOR SECURING TISSUE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:29/05/2012 :WO 2012/166695 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)INSIGHTRA MEDICAL INC. Address of Applicant :9200 Irvine Center Drive Suite 200 Irvine California 92618 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)NODA Wayne A.</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A compression ring (10 34 52 70 100) to grip and compress body structure such as diverticulum hemorrhoids and tissue adjacent a hole. A resilient ring shaped body (12 36 54 72 102) defines a compression channel (14 38 56 74 104) and an elongated axially rigid gripping member (16 40 58 76 106) extends diametrically across the through opening. The gripping member (106) can rest on a flange (108) on the opposite side of the through opening or engage with a second gripping member (42 60 78) that extends diametrically across the through opening from the opposite side of the ring. Or a flexible cage structure (124) can be disposed in the through opening.

No. of Pages : 32 No. of Claims : 22

(21) Application No.9451/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :25/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SYSTEM AND METHOD FOR DETERMINING UTILITY COST SAVINGS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:G01R11/58 :61/480549 :29/04/2011 :U.S.A. :PCT/US2012/035181 :26/04/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)SCHNEIDER ELECTRIC USA INC. Address of Applicant :1415 S. Roselle Road Palatine IL 60067</li> <li>7399 U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)COENE Laurent</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:WO 2012/149138 :NA :NA :NA :NA	2)FRANCO Edgard

(57) Abstract :

A computer system for identifying utility cost savings is provided. The computer system includes a memory and at least one processor coupled to the memory. The at least one processor is configured to receive usage information gathered from at least one site via a first interface administer a utility questionnaire via a second interface and determine recommendation information describing a plurality of cost savings recommendations for the at least one site based on a set of responses to the questionnaire and the usage information.

No. of Pages : 55 No. of Claims : 20

(21) Application No.9452/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :26/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SYSTEM AND METHOD FOR SECURE INSTANT MESSAGING

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:H04L12/58 :61/492903 :03/06/2011 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)APPLE INC.</li> <li>Address of Applicant : 1 Infinite Loop Cupertino CA 95014</li> <li>U.S.A.</li> </ul>
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>		<ul> <li>(72)Name of Inventor :</li> <li>(72)Name of Inventor :</li> <li>1)MEDINA Alexander A.</li> <li>2)VYRROS Andrew H.</li> <li>3)BLEAU Darryl N.</li> <li>4)DAVEY Jeffrey T.</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	5)SANTAMARIA Justin E. 6)WOOD Justin N.

#### (57) Abstract :

A system and method for secure instant messaging are described. For example in one embodiment a first user identifies a second user for an instant messaging session with the ID code of the second user. In response the first user is provided with network information for the second user and a public key associated with the second user. The first user then encrypts an instant message using the public key of the second user and a private key. In one embodiment the first user encrypts the content of the instant message (e.g. any text and/or attachments) using the public key of the second user. The second user then decrypts the first user. The encrypted message is transmitted from the first user to the second user. The second user then decrypts the instant message using the second user s private key and verifies the signature with the first user s public key.

No. of Pages : 136 No. of Claims : 33

(21) Application No.730/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :30/01/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : SYSTEM AND METHOD FOR THERMAL CONVERSION OF CARBON BASED MATERIALS

(51) International classification (31) Priority Document No	:C10G1/00,C10G1/10,C07C1/00 :PCT/NL2010/050464	(71)Name of Applicant : 1)GET PATENT B.V.
(32) Priority Date	:19/07/2010	Address of Applicant : Veldhofstraat 50 NL 7213 AN Gorssel
(33) Name of priority country	:Netherlands	Netherlands
(86) International Application N	o:PCT/EP2010/069881	(72)Name of Inventor :
Filing Date	:16/12/2010	1)HAZEWINKEL Jacob Hendrik Obbo
(87) International Publication N	o :WO 2012/010223	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a system for thermal conversion of carbon based materials into combustible oil and/or gas. More specifically said system comprises: a first fluid bed reactor a second vapour wash reactor a third fractionation reactor a fourth moving bed reactor a fifth fluid bed reactor and a sixth gasification reactor.

No. of Pages : 45 No. of Claims : 12

(21) Application No.9281/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :19/11/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : AUTOMATIC GEMSTONE ORIENTATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International</li> <li>Application No Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to</li> </ul>	:NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)DE BEERS CENTENARY AG Address of Applicant :Alpenstrasse 5 CH 6000 Lucerne 6 Switzerland</li> <li>(72)Name of Inventor :</li> <li>1)DGAMA Siobhan</li> <li>2)WILLIS Maxwell Ralph</li> <li>3)DAVIES Nicholas Matthew</li> <li>4)POWELL Graham Ralph</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A method and apparatus for orientating discrete objects such as gemstones is described. The method comprises providing the objects on a travelling path; providing a pair of opposed walls (38) extending generally along the direction of the path; and generating relative oscillatory movement (14) between the pair of walls (38) and the travelling path (in a direction generally transverse to the direction of the path) so that the pair of walls (38) imparts lateral force to the objects to thereby urge them into their most stable orientation as they progress along the path. A device for checking the orientation of the discrete objects is also described.

No. of Pages : 26 No. of Claims : 34

(21) Application No.9285/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :19/11/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : APPARATUS AND METHODS FOR CLIENT SERVER INTERACTION IN HYBRID NETWORK ENVIRONMENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:H04W88/06,H04W48/18 :61/488649 :20/05/2011 :U.S.A. :PCT/US2012/038716 :18/05/2012 :WO 2012/162190 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)APPLE INC.</li> <li>Address of Applicant :1 Infinite Loop Cupertino CA 95014</li> <li>U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)SU Li</li> <li>2)SHI Jianxiong</li> <li>3)CHAUDHARY Madhusudan</li> </ul>
Number Filing Date	:NA :NA	4)XING Longda
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

Methods and apparatus for modifying network management for hybrid operation. In one embodiment the networks include an LTE network and a CDMA I X network and a mobile device can place CDMA IX voice calls while registered with the LTE network. However since the mobile device cannot simultaneously measure information for the LTE network while connected to the CDMA IX networks the mobile device modifies measurements and behaviors reported to the LTE network. In one implementation the mobile device accounts for the time switched away from the LTE network in one or more subsequent reports thereto.

No. of Pages : 32 No. of Claims : 20

(21) Application No.9488/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : FORMALDEHYDE FREE SIZING COMPOSITION FOR FIBRES IN PARTICULAR MINERAL FIBRES AND RESULTING PRODUCTS.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	<sup>n</sup> :PCT/FR2012/051184 :25/05/2012 <sup>n</sup> :WO 2012/168621 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SAINT GOBAIN ISOVER Address of Applicant :18 Avenue dAlsace F 92400</li> <li>Courbevoie France</li> <li>(72)Name of Inventor :</li> <li>1)DIDIER Benoit</li> <li>2)FOTI Fabio</li> <li>3)OBERT Edouard</li> <li>4)JAFFRENNOU Boris</li> </ul>
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(57) Abstract :

The present invention relates to a formaldehyde free sizing composition for products based on fibres in particular mineral fibres such as glass or rock fibres which comprises: at least one non reducing sugar at least one catalyst for the dehydration of the non reducing sugar at least one amine and at least one compound comprising activated ethylenic unsaturation(s). Another subject of the present invention is the products thus obtained in particular thermal and/or acoustic insulators based on mineral wool and veils of nonwoven mineral fibres and the process for the manufacture thereof.

No. of Pages : 24 No. of Claims : 26

(21) Application No.9575/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :28/11/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : SPIRAL FASTENER AND METHOD OF MANUFACTURE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:13/151374 :02/06/2011 :U.S.A. :PCT/US2012/039392 :24/05/2012 :WO 2012/166532 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)A. RAYMOND ET CIE <ul> <li>Address of Applicant :115 Cours Berriat F 38000 Grenoble</li> </ul> </li> <li>France <ul> <li>(72)Name of Inventor :</li> <li>1)JACKSON Nicholas</li> </ul> </li> </ul>
Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A spiral fastener is provided. In another aspect a spiral fastener is made of layers of material and/or a light curable material. Another aspect uses a three dimensional printing machine to emit material from an ink jet printing head to build up a fastener having a spiral formation.

No. of Pages : 23 No. of Claims : 45

(21) Application No.9578/CHENP/2013 A

#### (19) INDIA

(22) Date of filing of Application :29/11/2013

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : STOPPING DEVICE AND CONTAINER COMPRISING SUCH A DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:B65D51/24 :1154900 :06/06/2011 :France :PCT/EP2012/060584 :05/06/2012 :WO 2012/168230 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BIOCORP RECHERCHE ET DEVELOPPEMENT Address of Applicant :Biopole Clermont Limagne F 63360 Saint Beauzire France</li> <li>(72)Name of Inventor :</li> <li>1)ANEAS Antoine</li> </ul>
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(57) Abstract :

The invention relates to a stopping device (20) for a container (1) comprising a circular stopper (21) for closing the neck of the container and a cap (24) consisting of a synthetic material that can cover both the neck and the stopper positioned in the neck. Said cap comprises a cover (26) and a ring (25) that is suitable for surrounding the stopper (21) and the neck when mounted and provided with means (253 255) for locking onto the neck. The ring (25) has a minimum inner diameter (d251) that must be larger than the maximum diameter (D21) of the stopper (21) and the ring and the cover are produced as a single component and connected by breakable bridges (27) distributed over a circumference of the ring with an inner diameter that is larger than or equal to the maximum diameter of the stopper. The locking means comprise first locking tabs (253) formed on the inside of the ring (25) facing windows (252) that are radially open towards the outside and second locking tabs (255) facing a closed part (254). Each second tab (255) is formed between two first tabs facing a strip of material (254) separating windows (252).

No. of Pages : 21 No. of Claims : 15

(21) Application No.3965/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :21/05/2013

(43) Publication Date : 21/11/2014

### (54) Title of the invention : MICROSCOPE IMAGE ACQUISITION APPARATUS AND IMAGE ACQUISITION SYSTEM

(57) Abstract :

A microscope 1 includes an illumination device 10 for illuminating a object 30 an optical system 40 for forming an image of the object 30 and an imaging device 50 for capturing the image of the object 30. The imaging device 50 includes a plurality of imaging units. Each of the imaging units includes an image sensor and a movement mechanism for moving the image sensor.

No. of Pages : 52 No. of Claims : 13

(21) Application No.745/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :30/01/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : REMOTE OPERATOR PENDANT FOR A METROLOGY MACHINE TOOL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:G05B19/409,G05B19/427 :61/381588 :10/09/2010 :U.S.A. :PCT/US2011/050800 :08/09/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)GLEASON METROLOGY SYSTEMS CORPORATION Address of Applicant :300 Progress Road Dayton OH 45449</li> <li>U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)LANKALAPALLI Kishore</li> </ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:WO 2012/033900 :NA :NA	2)TANNER Mike 3)SHULTZ Justin 4)LUCOUS Larry D. 5)STRONG Robert Keith

#### (57) Abstract :

A remote pendant (20) for a metrology machine. The pendant comprises a non configurable user interface which is an extension of the main computer monitor wherein the screens shown on a monitor of the pendant are created by application and/or control software running on the computer control of the machine. The remote pendant further comprises camera and/or webcam (30) features as well as voice recording capabilities. With the remote pendant the machine operator can view messages appearing on the main computer screen and respond to any prompts via a touch screen (28) on the pendant thereby eliminating the need to return to the machine operator station.

No. of Pages : 29 No. of Claims : 22

(21) Application No.831/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :01/02/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : FLASH BUTT WELDED BEARING COMPONENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> </ul>	:10007219 :02/07/2010 :Sweden	<ul> <li>(71)Name of Applicant :</li> <li>1)AKTIEBOLAGET SKF Address of Applicant :S 415 50 Gteborg Sweden </li> <li>(72)Name of Inventor : 1)LUND Thore 2)RECINA Viktor </li> </ul>
(87) International Publication No	:WO 2012/002869	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Bearing component (10) comprising steel and at least one flash butt weld joint. The steel comprises by weight max 20 ppm S and max 15 ppm O and in that said steel includes sulphide inclusions and less than 5% of the sulphide inclusions contain encapsulated or embedded oxide inclusions.

No. of Pages : 17 No. of Claims : 10

(21) Application No.3858/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :15/05/2013

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : ISOMERISATION CATALYST PREPARATION PROCESS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> </ul>	:B01J23/42,B01J37/02,B01J29/74 :10191707.8 :18/11/2010 :EPO :PCT/EP2011/070195 :16/11/2011 :WO 2012/066013 :NA :NA	<ul> <li>(71)Name of Applicant : <ol> <li>SHELL INTERNATIONALE RESEARCH</li> </ol> </li> <li>MAATSCHAPPIJ B.V. <ul> <li>Address of Applicant :Carel van Bylandtlaan 30 NL 2596 HR</li> </ul> </li> <li>The Hague Netherlands <ul> <li>(72)Name of Inventor : <ul> <li>NENU Nicoleta Cristina</li> <li>PELGRIM Bart</li> </ul> </li> <li>WAN VEGCHEL Ingrid Maria</li> </ul></li></ul>
Application Number Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A process for preparing an alkylaromatics isomerisation catalyst comprising at least 0.01 % wt of platinum on a carrier comprising of from 1 to9 wt% of ZSM 12and inorganic binder which process comprises treating the carrier with an impregnation solution comprising base and an anionic platinum complex which impregnation solution has a pH of from 5.5 to 8; and a process for the isomerisation of alkylaromatics with the help of catalyst thus obtained.

No. of Pages : 17 No. of Claims : 7

(21) Application No.394/CHENP/2013 A

# (19) INDIA

(22) Date of filing of Application :17/01/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : CONTROLLING DECANTER PHASE SEPARATION OF ACETIC ACID PRODUCTION PROCESS

(51) International classification	:C07C51/12,C07C51/44,C07C51/48	(71)Name of Applicant : 1)EQUISTAR CHEMICAL LP
	:12/804424	Address of Applicant :1221 McKinney One Houston Center Houston Texas 77010 U.S.A.
	:21/07/2010	
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application	<sup>1</sup> :PCT/US2011/044164	1)HALLINAN Noel
NO	:15/07/2011	2)FITZPATRICK Michael E.
Filing Date		3)HEARN John D.
(87) International Publication No	:WO 2012/012283	4)PATEL Miraj S.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	<sup>h</sup> :NA :NA	

(57) Abstract :

Disclosed is a method for controlling the decanter phase separation of an acetic acid production by methanol carbonylation. The method comprises measuring the methyl acetate concentration of the reactor mixture calculating the density of the decanter heavy organic phase according to the measured methyl acetate concentration and adjusting the conditions in the reactor or in the decanter to ensure phase separation of the decanter.

No. of Pages : 16 No. of Claims : 11

(21) Application No.1628/KOLNP/2012 A

#### (19) INDIA

(22) Date of filing of Application :03/07/2012

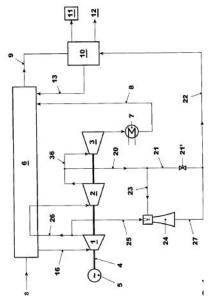
(43) Publication Date : 21/11/2014

#### (54) Title of the invention : POWER PLANT WITH CO2 CAPTURE AND METHOD TO OPERATE SUCH POWER PLANT

(51) International classification	:F01K17/04	(71)Name of Applicant :
(31) Priority Document No	:09178397.7	1)ALSTOM TECHNOLOGY LTD
(32) Priority Date	:08/12/2009	Address of Applicant : BROWN BOVERI STRASSE 7 CH-
(33) Name of priority country	:EPO	5400 BADEN SWITZERLAND
(86) International Application No	:PCT/EP2010/068425	(72)Name of Inventor :
Filing Date	:29/11/2010	1)JÖNSSON, STAFFAN
(87) International Publication No	:WO 2011/069857	2)LI, HONGTAO
(61) Patent of Addition to Application	:NA	3)CONTE, ENRICO
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A fossil fuel fired power plant for the generation of electrical energy comprises a water steam cycle and a plant (10) for the capture of CO2 from exhaust gases emitted by the power plant and a steam jet ejector (24) configured and arranged to receive an input steam flow from a low- or intermediate pressure extraction point in the power plant and to increase its pressure. It is further arranged to receive motive steam (25) from a further extraction point in the power plant. A steam line (27, 22) directs the steam of increased pressure from the steam jet ejector (24) to the CO2 capture plant (10). The power plant according to this invention allows the use of low-pressure steam for the operation of the CO2 capture plant, where the extraction of such steam affects the overall efficiency of the power plant to a lesser degree than in power plant of the state of the art.



No. of Pages : 23 No. of Claims : 16

(21) Application No.1791/KOLNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :25/08/2014

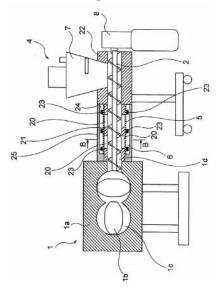
(43) Publication Date : 21/11/2014

# (54) Title of the invention : DEVICE AND METHOD FOR SCREW-TYPE SUPPLY OF FINE POWDER RAW MATERIAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:2012-102192 :27/04/2012 :Japan :PCT/JP2013/062391 :26/04/2013 :WO 2013/161998 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)THE JAPAN STEEL WORKS, LTD. Address of Applicant :11-1, Osaki 1-chome, Shinagawa-ku, Tokyo 1410032 JAPAN</li> <li>(72)Name of Inventor :</li> <li>1)SHIMIZU, Yohei</li> <li>2)KAKIZAKI, Jun</li> <li>3)IWAMOTO, Yoshihiko</li> </ul>
(61) Patent of Addition to Application		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The purpose of the present invention is to fix, with annular fixing brackets, a screen wound about the outer periphery of a cylindrical receiving member having a gas exhaust port, and prevent a fine powder raw material from leaking out to the exterior. This device and method for screw-type supply of a fine powder raw material are a configuration and method including a screen (5) wound about the outer periphery of a cylindrical receiving member (21), and a plurality of annular fixing brackets (23) for attaching the screen (5) to the cylindrical receiving member (21), the gap (D) between the screen (5) and the outer diameter of a screw (2) being 1 to 10 mm, and only gas that has been separated from the fine powder raw material being discharged to the exterior from a gas exhaust port (20), whereas the fine powder raw material is supplied into a cylinder (1a) without leaking out to the exterior from the screen (5).



No. of Pages : 22 No. of Claims : 4

(21) Application No.1792/KOLNP/2014 A

# (19) INDIA

(22) Date of filing of Application :25/08/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : WEAR PART FOR A JAW CRUSHER, JAW CRUSHER, MINERAL MATERIAL PROCESSING AND METHOD FOR FIXING A WEAR PART

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li></ul>	:19/03/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)METSO MINERALS, INC.</li></ul>
Filing Date <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li>	:WO 2013/140014	Address of Applicant :Fabianinkatu 9 A, FI-00130 Helsinki <li>FINLAND</li> <li>(72)Name of Inventor :</li> <li>1)PELTOMÄKI, Kari</li>
(87) International Publication No		1)PELTOMAKI, Kari

#### (57) Abstract :

A wear part (5) for a jaw crusher comprises at a first side a wear surface (10, 10) to be directed to a crushing chamber of the crusher (700); and at an opposite second side a first counter surface (11) which is fixable against a fixed (703) or movable (704) jaw of the crusher in a detachable manner. The wear part (5) comprises second counter surfaces (14, 15; 14, 15) inclined in opposite directions, for holding the wear part in place vertically and in a centering way in side direction relative to the jaw. A jaw crusher (700), a mineral material processing plant (800) and a method for fixing a wear part (5) to a jaw (703, 704) of a jaw crusher (700) in a detachable manner. A wedge tightening coming from three directions is locking the wear part in a centering way in place relative to any possible transfer direction.

No. of Pages : 28 No. of Claims : 13

(21) Application No.3826/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :16/09/2011

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DEVICE FOR HOLDING FOLDING AND INJECTING AN INTRAOCULAR LENS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:18/03/2009 :WO 2010/105678 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)OPHTHALMO PHARMA AG Address of Applicant :BAHNHOFPLATZ 5, CH-6060</li> <li>SARNEN SWITZERLAND</li> <li>(72)Name of Inventor :</li> <li>1)PUTALLAZ, SEBASTIEN</li> <li>2)PIVARD, LAURENT</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

An injector (1) for folding and injecting into the eye of a patient a flexible intraocular lens, the injector comprising an assembly of an injection nozzle (202), a lens compartment that holds an unfolded flexible intraocular lens (400) and is in communication with the injection nozzle, an injector body (3) communicating with the lens compartment and a plunger (2) that is inserted in the free end of the injector body, wherein lens compartment and injector body comprise a mechanism whereby the lens is first folded by forces compressing the lens in a non-axial direction in response to an axial movement of the plunger over a first distance and is subsequently expelled from the injector through the injection nozzle in response to an axial movement of the plunger over a second distance.

No. of Pages : 41 No. of Claims : 27

(21) Application No.1253/KOLNP/2012 A

# (19) INDIA

(22) Date of filing of Application :24/05/2012

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PLUG-PIN RECEIVING MEMBER AND RECEPTACLE INCLUDING SAME

(51) International classification	:H01R13/11	(71)Name of Applicant :
(31) Priority Document No	:2009-266719	1)PANASONIC CORPORATION
(32) Priority Date	:24/11/2009	Address of Applicant :1006, OAZA KADOMA, KADOMA-
(33) Name of priority country	:Japan	SHI, OSAKA 571-8501, JAPAN
(86) International Application No	:PCT/IB2010/002946	(72)Name of Inventor :
Filing Date	:17/11/2010	1)KAZUHIRO KATO
(87) International Publication No	:WO 2011/064640	2)SATORU UENO
(61) Patent of Addition to Application	:NA	3)MAKI KONDOU
Number		4)TOSHIYUKI TAKII
Filing Date	:NA	5)TAKASHI KAWAMOTO
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A plug-pin receiving member, to which a plug pin of a plug is to be connected, includes a plug-pin receiver for gripping the plug pin. The plug-pin receiver has a cylindrical part extending along an insertion direction of the plug pin. The plug-pin receiver includes a plug-pin holding part that is formed to have a minimum inner diameter of the cylindrical part, and a tip end part extended from the plug-pin holding part along the plug-pin insertion direction, the tip end part having a gradually increased inner diameter. The plug-pin holding part makes contact with the plug pin to hold the plug pin in a state where the plug pin is inserted into the plug-pin receiver.

No. of Pages : 56 No. of Claims : 5

(21) Application No.1780/KOLNP/2014 A

# (19) INDIA

(22) Date of filing of Application :22/08/2014

(43) Publication Date : 21/11/2014

# (54) Title of the invention : ANTI-NEEDLE STICK SAFETY DEVICE FOR INJECTION DEVICE

(51) International classification	:A61M5/24,A61M5/28,A61M5/32	(71)Name of Applicant :
(31) Priority Document No	:61/636,526	1)SAFETY SYRINGES, INC.
(32) Priority Date	:20/04/2012	Address of Applicant :12875 Loker Avenue East, Carlsbad,
(33) Name of priority country	:U.S.A.	California 92010 U.S.A.
(86) International Application No Filing Date	:PCT/US2013/037476 :19/04/2013	<ul><li>(72)Name of Inventor :</li><li>1)VERESPEJ, James M.</li><li>2)SCHOONMAKER, Ryan</li></ul>
(87) International Publication No	:WO 2013/159059	3)DOWDS, Philip 4)FIELD, Frederic P.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A safety device for a medicine cartridge comprising a body for receiving a cartridge, a guard for covering a used needle, a plunger to dispense medicine from the cartridge and a spring for activation of the guard. The trigger fingers of the guard are spaced to avoid or minimize contact with the syringe flange during assembly to avoid trigger finger unseating. An elongated trigger finger head enables the device to activate for all known syringe and syringe plunger tolerances. The spring end coils have larger diameter than the inner coils to reduce the likelihood of the spring end coil end interfering with the cartridge subassembly. Syringe capture features are configured to retain a syringe having a small round or conventional cut flange in place during use and reduce the stress on the syringe flange during insertion while maintaining the ability to hold the syringe in place during use.

No. of Pages : 55 No. of Claims : 23

(21) Application No.1964/KOLNP/2012 A

# (19) INDIA

(22) Date of filing of Application :31/07/2012

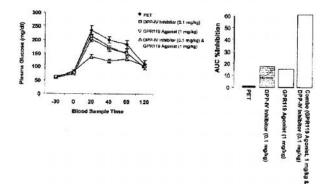
(43) Publication Date : 21/11/2014

#### (54) Title of the invention : COMBINATION THERAPY FOR THE TREATMENT OF DIABETES AND CONDITIONS RELATED THERETO AND FOR THE TREATMENT OF CONDITIONS AMELIORETED BY INCREASING A BLOOD GLP-1 LEVEL.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A61K31/00 :60/643,086 :10/01/2005 :U.S.A. :PCT/US2006/000510 :09/01/2006 :WO 2006/076231	<ul> <li>(71)Name of Applicant :</li> <li>1)ARENA PHARMACEUTICALS INC. Address of Applicant :6166 NANCY RIDGE DRIVE, SAN DIEGO, CALIFORNIA 92121, U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)CHU,ZHI-LIANG</li> <li>2)LEONARD, JAMES N.</li> </ul>
<ul> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filed on</li> </ul>	:NA :NA :2530/KOLNP/2007 :06/07/2007	3)AL-SHAMMA, HUSSIEN A. 4)JONES,ROBERT M

#### (57) Abstract :

The present invention concerns combination of an amount of a GPR119 agonist with an amount of a dipeptidyl peptidase IV (DPP-IV) inhibitor such that the combination provides an effect in lowering a blood glucose level or in increasing a blood GLP-1 level in a subject over that provided by the amount of the GPR119 agonist or the amount of the DPP-IV inhibitor alone and the use of such a combination for treating or preventing diabetes and conditions related thereto or conditions ameliorated by increasing a blood GLP-1 level. The present invention also relates to the use of a G protein-coupled receptor to screen for GLP-1 secretagogues.



No. of Pages : 178 No. of Claims : 47

(21) Application No.2772/KOLNP/2012 A

# (19) INDIA

(22) Date of filing of Application :24/09/2012

(43) Publication Date : 21/11/2014

# (54) Title of the invention : IMPROVED METHODS AND COMPOSITIONS FOR SAFE AND EFFECTIVE TREATMENT OF ERYTHEMA

(51) International classification	:A61K31/498	(71)Name of Applicant :
(31) Priority Document No	:61/282,754	1)GALDERMA RESEARCH & DEVELOPMENT
(32) Priority Date	:26/03/2010	Address of Applicant :2400 Route des Colles Les Templiers,
(32) Fhority Date (33) Name of priority country	:U.S.A.	F-06410 Biot, France
(86) International Application No		(72)Name of Inventor :
Filing Date	:25/03/2011	1)GRAEBER, Michael
(87) International Publication No	:WO/2011/117377	2)LOESCHE Christian
(61) Patent of Addition to Application	. WO/2011/11/5//	3)FREIDENREICH Philip
Number	:NA	4)LIU Yin
Filing Date	:NA	5)LEONI Matthew James
(62) Divisional to Application Number	:NA	S) LEONT Wratthew James
Filing Date	:NA :NA	
T ming Date	.1174	

(57) Abstract :

Improved methods and compositions for safe and effective treatment of erythemaora symptom associated with erythema in a subject are described. The methods involve topically applying to an affected skin area a topical composition comprising about 0.3% to about 10% by weight of brimonidine and a pharmaceutically acceptable carrier.

No. of Pages : 28 No. of Claims : 20

(21) Application No.4150/KOLNP/2011 A

#### (19) INDIA

(22) Date of filing of Application :07/10/2011

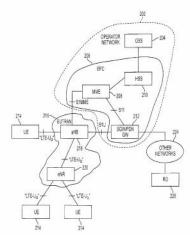
(43) Publication Date : 21/11/2014

#### (54) Title of the invention : SETUP AND CONFIGURATION OF RELAY NODES

(51) International classification	:H04W 12/06	(71)Name of Applicant :
(31) Priority Document No	:61/159,192	1)TELEFONAKTIEBOLAGET LM ERICSSON (publ)
(32) Priority Date	:11/03/2009	Address of Applicant :S-164 83 Stockholm, Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/SE2009/050569	1)RÁCZ, András
Filing Date	:20/05/2009	2)BARRIGA Luis
(87) International Publication No	:WO/2010/104435	3)JOHANSSON Niklas
(61) Patent of Addition to Application	:NA	4)MILDH Gunnar
Number	:NA :NA	5)NÄSLUND Mats
Filing Date	.INA	6)SELANDER Göran
(62) Divisional to Application Number	:NA	7)STATTIN Magnus
Filing Date	:NA	-

#### (57) Abstract :

Systems and methods for the configuration of network nodes without a secured connection in a telecommunications system are described herein. These network nodes can be wireless network nodes which are part of the network infrastructure, such as, wireless relays, wireless repeaters and self-backhauled eNodeBs.



No. of Pages : 32 No. of Claims : 23

(21) Application No.1795/KOLNP/2014 A

# (19) INDIA

(22) Date of filing of Application :25/08/2014

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METHODS FOR RECOVERING AND/OR REMOVING REAGENTS FROM POROUS MEDIA

(51) International classification	:B01D11/02,C10G1/04	(71)Name of Applicant :
(31) Priority Document No	:61/594,129	1)GREEN SOURCE ENERGY LLC
(32) Priority Date	:02/02/2012	Address of Applicant :1100 Nueces Street, Austin, TX 78701
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2013/024491	(72)Name of Inventor :
Filing Date	:01/02/2013	1)FAN, Liang-tseng
(87) International Publication No	:WO 2013/116766	2)SHAFIE, Shahram, Reza
(61) Patent of Addition to Application	:NA	3)TOLLAS, Julius, Michael
Number	:NA	4)LEE, William, Arthur Fitzhugh
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A composition and method for displacing, dissolving, extracting, recovering, and/or removing solvent and/or any solvent-associated liquids from a solvent-treated material or penetrating through pores or the surface of a solvent-treated material using a solvent-extracting composition for contacting solvent-treated material and separating the solvent and any solvent-associated liquids from the solvent-treated material as well as the solvent-extracting composition.

No. of Pages : 48 No. of Claims : 36

(21) Application No.1796/KOLNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :25/08/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : MEDICAMENT DELIVERY DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:PCT/EP2013/054577 :07/03/2013	<ul> <li>(71)Name of Applicant :</li> <li>1)CAREBAY EUROPE LTD Address of Applicant :Suite 3,Tower Business Centre, Tower Street, Swatar, BKR 4013 Malta</li> <li>(72)Name of Inventor :</li> <li>1)NOREBRING, Jonas</li> </ul>
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

#### (57) Abstract :

The present invention relates to an medicament delivery device (10) having a proximal (11) and distal end (12) and intended for use in combination with a disposable container (20) having a distal and proximal end and comprising at least one chamber in the proximal end for a liquid medicament encapsulated in the container (20) by a movable plunger (26). The medicament delivery device (10) comprises: an elongated housing comprising a proximal housing section (13) and a distal housing section (14), said proximal housing section is configured to accomodate the disposable container (20); an elongated plunger rod (30) configured to be in contact with said movable plunger (26); and a drive mechanism arranged in said distal housing section (14) in order to, when the medicament delivery device (10) is activated, apply a force in a proximal direction via said plunger rod (30) acting on said movable plunger (26), wherein said elongated plunger rod (30) comprises an outer periphery in which at least two axially separated recesses and/or cut-out portions (36) are arranged to prevent that leaking fluid is flowing along the plunger rod to the drive mechanism.

No. of Pages : 18 No. of Claims : 9

(21) Application No.1797/KOLNP/2014 A

# (19) INDIA

(22) Date of filing of Application :25/08/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : RAIL SWITCH HAVING A MAIN TRACK AND A BRANCH TRACK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:E01B7/02 :A 294/2012 :09/03/2012 :Austria :PCT/AT2013/000025 :12/02/2013 :WO 2013/131112 ·NA	<ul> <li>(71)Name of Applicant :</li> <li>1)voestalpine Weichensysteme GmbH Address of Applicant : Alpinestrasse 1, A-8740 Zeltweg,</li> <li>AUSTRIA</li> <li>2)voestalpine VAE GmbH</li> <li>(72)Name of Inventor :</li> <li>1)GSODAM, Johann</li> <li>2)OSSBERGER, Heinz</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

In a rail switch having a main track and a branch track, wherein each rail of each track is designed as a switch point (3) and can be moved to make contact with the respective outer rail (1), the outer rail (1) has, in the region of the switch point (3), a modified running edge profile, and the running edge (10) of the switch point (3) has a curved progression (6) for which the imaginary extension with the running edge (2) of the outer rail (1) has an overlap or an undercut.

No. of Pages : 23 No. of Claims : 9

(21) Application No.1798/KOLNP/2014 A

# (19) INDIA

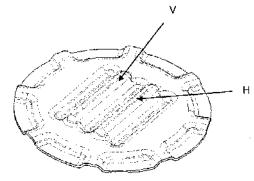
(22) Date of filing of Application :25/08/2014

(43) Publication Date : 21/11/2014

(54) Title of the invention : A NOVEL BRAZING CONCEPT			
<ul> <li>(54) Title of the invention :</li> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International</li> <li>Application No <ul> <li>Filing Date</li> <li>(87) International</li> <li>Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> </ul> </li> </ul>	:B23K35/00,B23K35/02,B23K35/365	(71)Name of Applicant : 1)ALFA LAVAL CORPORATE AB Address of Applicant :P.O. Box 73, S-22100 Lund, SWEDEN (72)Name of Inventor : 1)SJÖDIN, Per 2)WALTER, Kristian	
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA		

#### (57) Abstract :

The present invention relates to an intermediate product for joining and coating by brazing comprising a base metal and a blend of boron and silicon, said base metal having a solidus temperature above 1040, °C, and the intermediate product has at least partly a surface layer of the blend on the base metal, wherein the boron in the blend is selected from a boron source, and the silicon in the blend is selected from a silicon source, and wherein the blend comprises boron and silicon in a ratio of boron to silicon within a range from about 3:100 wt/wt to about 100:3 wt/wt. The present invention relates also to a stacked intermediate product, to an assembled intermediate product, to a method of brazing, to a brazed product, to a use of an intermediate product, to a pre-brazed product, to a blend and to paint.



No. of Pages : 53 No. of Claims : 34

(21) Application No.4275/KOLNP/2011 A

#### (19) INDIA

(22) Date of filing of Application :17/10/2011

(43) Publication Date : 21/11/2014

# (54) Title of the invention : NICKEL BASE GAMMA/GAMMA SUPERALLOY WITH MULTIPLE REACTIVE ELEMENTS AND USE OF SAID SUPERALLOY IN COMPLEX MATERIAL SYSTEMS

(51) International classification	:C22C 19/05	(71)Name of Applicant :
(31) Priority Document No	:EO09005851	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:27/04/2009	Address of Applicant :WITTELSBACHERPLATZ 2, 80333
(33) Name of priority country	:EUROPEAN	MÜNCHEN GERMANY
(55) Name of priority country	UNION	(72)Name of Inventor :
(86) International Application No	:PCT/EP2010/054593	1)MAGNUS HASSELQVIST
Filing Date	:07/04/2010	
(87) International Publication No	:WO 2010/124923	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The present invention relates to a nickel-base / 'superalloy with a unique blend of at most moderate cost, high oxidation resistance, high hot corrosion resistance, moderate strengthening, adequate alloy stability, and comparatively good weldability. The said alloy comprises: Up to 20 wt% of the sum of Co and Fe, between 17 and 21 wt% Cr, between 0.5 and 3 wt% of the sum of Mo and W, at most 2 wt% Mo, between 4.8 and 6 wt% Al, between 1.5 and 5 wt% Ta, between 0.01 and 0.2 wt% of the sum of C and B, between 0.01 and 0.2 wt% Zr, between 0.05 and 1.5 wt% Hf, between 0.05 and 1.0 wt% Si, and between 0.01 and 0.5 wt% of the sum of rare earths such as Sc, Y, the actinides and the lanthanides, such that at least two of these rare earths are present in the alloy, and no more than 0.3 wt% of any of these rare earths. It further relates to its use in hot components such as, but not restricted to, blades, vanes, heat shields, sealings and combustor parts in gas turbines. It further relates to its use as filler alloy for repair welding and/or cladding of such hot components. It further relates to its use as protective coating and/or bond coat in a TBC system on such hot components. It further relates to its use as intermediate layer between the base alloy and another coating and/or bond coat on such hot components. It further relates to its use in polycrystalline, directionally solidified or single crystal form in such components. It further relates to its production by processes such as, but not restricted to, precision casting, laser welding/cladding, hot box welding, laser sintering, cold spraying, explosion welding and vacuum plasma spraying. It further relates to its production by low S processing. It further relates to its use as part of material systems as exemplified above produced by low S processing.

No. of Pages : 31 No. of Claims : 23

(21) Application No.3493/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :19/08/2011

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : REFRACTORY PRODUCT HAVING A HIGH ZIRCONIA CONTENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:C03B5/43 :0951189 :25/02/2009 :France :PCT/IB2010/050816 :24/02/2010 :WO/2010/097769	<ul> <li>(71)Name of Applicant :</li> <li>1)SAINT-GOBAIN CENTRE DE RECHERCHES ET</li> <li>D'ETUDES EUROPEEN Address of Applicant :18 avenue d'Alsace les Miroirs F- </li> <li>92400 Courbevoie France (72)Name of Inventor : 1)GAUBIL Michel</li></ul>
<ul> <li>(67) International Fubication F(67)</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	2)CABODI Isabelle 3)PAPIN Sophie

(57) Abstract :

The invention relates to a molten and cast refractory product, comprising, in wt % on the basis of oxides and for a total of 100% of said oxides:  $ZrO_2 + Hf_2O$ : the remainder up to 100%;  $SiO_2$ : 7.0% to 11.0%;  $Al_2O_3$ : 0.2% to 0.7%;  $Na_2O + K_2O$ : < 0.10%;  $B_2O_3$ : 0.3% to 1.5%; CaO + SrO + MgO + ZnO + BaO: < 0.4%;  $P_2O_5$ : < 0.15%;  $Fe_2O_3 + TiO_2$ : < 0.55%; other oxide species: < 1.5%; the product has a weight content of a dopant selected from  $Nb_2O_5$ ,  $Ta_2O_5$  and the mixtures thereof less than or equal to 1.0%, the ratio A/B between the  $Al_2O_3/B_2O_3$  weight contents being less than or equal to 2.0, with the exclusion of molten and cast products, in the form of a block of 220 x 450 x 150 mm<sup>3</sup> or a cylindrical rod with a diameter of 30mm and a height of 30mm, with the following chemical compositions in wt % on the basis of the oxides: table (I). The invention can be used in glass-melting furnaces.

7rO2	SiO <sub>2</sub>	B₂D <sub>9</sub>	Ál₂D₃	Nb <sub>2</sub> O <sub>5</sub>	Ta <sub>2</sub> D <sub>5</sub>	Y2O3	BatD
91,1	7,5	0,60	0,44			0,17	0,13
90,0	8,1	0,41	0,54	0,74		0, 20	
89,8	8,4	0,48	0,44	0,66		0,20	
89,3	8,9	0,49	0,47	0,71		0,20	
88,6	9,3	0,54	0,50	0,76		0,20	0,13
87,6	10,2	0,53	0,53	0,80		0,19	0,10
87,4	10,8	0,89	0,54	0,20		0,18	0,03

(I)

No. of Pages : 17 No. of Claims : 14

# (19) INDIA

(22) Date of filing of Application :10/10/2011

(21) Application No.4184/KOLNP/2011 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : TECHNIQUE FOR BRINGING ENCODED DATA ITEMS INTO CONFORMITY WITH A SCALABLE CODING PROTOCOL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:H04B 1/66 :NA :NA :NA :PCT/EP2009/001846 :13/03/2009 :WO/2010/102650 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET LM ERICSSON (publ) Address of Applicant :S-164 83 Stockholm, Sweden</li> <li>(72)Name of Inventor :</li> <li>1)RUSERT, Thomas</li> <li>2)HUSCHKE Jörg</li> <li>3)KAMPMANN Markus</li> <li>4)LOHMAR Thorsten</li> <li>5)PRIDDLE Clinton</li> <li>6)SJÖBERG Rickard</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A technique for making media content in the form of encoded data items decodable by a decoder operating in accordance with a scalable coding protocol that defines two or more media layers is provided. A method implementation of this technique comprises the steps of generating one or more dummy data items that define a first media layer of the scalable coding protocol, and marking the encoded data items as belonging to a second media layer of the scalable coding protocol.

No. of Pages : 28 No. of Claims : 21

(21) Application No.4188/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :11/10/2011

#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : STABILIZED POLYPROPYLENE-TALC COMPOSITE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:C08K 9/04 :09163400.6 :22/06/2009 :EUROPEAN UNION :PCT/EP2010/058428 :16/06/2010 :WO 2010/149546 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BOREALIS AG</li> <li>Address of Applicant :IZD TOWER WAGRAMERSTRA E</li> <li>17-19 A-1220 VIENNA, AUSTRIA</li> <li>(72)Name of Inventor :</li> <li>1)BRAUN, JULIANE</li> <li>2)WOLFSCHWENGER, JOHANNES</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Use of an talc being coated with an organo-metallic compound in a polymer composition to accomplish a headspace emission of all volatiles together of said polymer composition of equal or below  $120\mu g/g$ .

No. of Pages : 45 No. of Claims : 17

#### (21) Application No.4360/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :21/10/2011

(43) Publication Date : 21/11/2014

(57) Abstract :

The present invention relates to an antenna arrangement (100) comprising an antenna part comprising at least two antenna means, each with a number of first antenna elements having a first polarization and a number of second antenna elements having a second polarization different from said first polarization, said antenna part further comprising antenna part ports. There are two antenna part ports for each antenna means, one antenna part port for each polarization, and the antenna arrangement (100) further comprises polarization controlling means (30), comprising a distribution network, to which the antenna part ports are connected, and which includes at least a main forming network with external interface antenna ports (301, 302, 303, 304). The polarization controlling means (30) is configured to connect antenna part ports and external interface antenna ports (301, 302, 303, 304).

No. of Pages : 39 No. of Claims : 27

#### (19) INDIA

(22) Date of filing of Application :21/10/2011

(21) Application No.4361/KOLNP/2011 A

(43) Publication Date : 21/11/2014

(54) Title of the invention : EMERGENCY ESCAPE LADDER (71)Name of Applicant : (51) International classification :E06C 1/383 (31) Priority Document No :2009901260 1)MURPHY, Russell, Edward (32) Priority Date :25/03/2009 Address of Applicant :61A, Carween Avenue, Mitcham, (33) Name of priority country Victoria, 3132, Australia :Australia (86) International Application No :PCT/AU2010/000352 (72)Name of Inventor : 1)MURPHY, Russell, Edward Filing Date :24/03/2010 (87) International Publication No :WO/2010/108230 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A folding emergency escape ladder for a dwelling comprising a fixed vertical riser 2 adapted for fitting to the external wall 1 of a dwelling, a plurality of retractable rails pivoted thereto from a first end 7 and spaced at a distance apart suitable to. function as rungs of said ladder and a movable vertical riser 5 fitted in a corresponding manner from a second end 8 of said rails such that said ladder can be moved between a retracted state with said rails folded up into said fixed and retracted vertical risers and an expanded or deployed state with said rails and risers functioning as a ladder mounted to said wall wherein one or more of said rails include an elongate rail rung 6 terminating at said first and second ends in a rung head 13, said rung head including an integral pivot means 21 and a projecting lobe 14 extending radially from said pivot point wherein said lobe includes a buffer foot 15 adapted to abut a portion of said vertical risers coincident with said deployed state to buffer the deployment of said ladder.

No. of Pages : 31 No. of Claims : 21

(19) INDIA

(22) Date of filing of Application :21/10/2011

(43) Publication Date : 21/11/2014

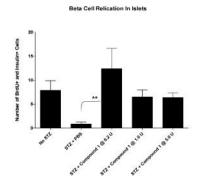
(21) Application No.4362/KOLNP/2011 A

# (54) Title of the invention : TISSUE KALLIKREIN FOR THE TREATMENT OF PANCREATIC -CELL DYSFUNCTION

<ul> <li>(51) International cla sification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:61/163,173 :25/03/2009 :U.S.A. :PCT/CA2010/000413	<ul> <li>(71)Name of Applicant :</li> <li>1)DIAMEDICA INC.</li> <li>Address of Applicant :4-1250 Waverly Street, Winnipeg,</li> <li>Manitoba R3T 6C6, Canada</li> <li>(72)Name of Inventor :</li> </ul>
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:25/03/2010 :WO/2010/108262 :NA :NA	1)WILLIAMS, Mark 2)RICHARDSON Kevin
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract :

This invention relates to methods for treating pancreatic islet -cell dysfunction and the conditions associated with pancreatic islet - cell dysfunction, including administering a therapeutically effective amount of tissue kallikrein, variants or active fragments thereof.



No. of Pages : 42 No. of Claims : 32

(21) Application No.4363/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :22/10/2011

(43) Publication Date : 21/11/2014

# (54) Title of the invention : APPARATUSES AND METHODS FOR COUPLING A SIGNAL TO AND/OR FROM A CABLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:H01P 5/00 :0905361.2 :27/03/2009 :U.K. :PCT/GB2010/000594 :26/03/2010 :WO/2010/109211 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CABLE SENSE LIMITED Address of Applicant :UMIP, CTF, 46 Grafton Street, Manchester MI3 9NT, U.K.</li> <li>(72)Name of Inventor :</li> <li>1)PEYTON, Anthony</li> <li>2)KELLY John</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Apparatuses and methods for coupling a signal to and from a twisted pair cable by non-contact coupling with twisted pairs in the twisted pair cable, such that the signal propagates along the cable between at least two of the twisted pairs. In particular, a coupling unit for coupling a voltage signal to and/or from such a cable, the coupling unit having a first electrode and a second electrode. The electrodes may be electrically isolated from a voltage signal generator and/or a voltage signal processor.

No. of Pages : 62 No. of Claims : 48

(21) Application No.4364/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :22/10/2011

(43) Publication Date : 21/11/2014

# (54) Title of the invention : BACKPLANE AND NETWORK DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:G06F 13/00 :201010560538.X :25/11/2010 :China :PCT/CN2011/074046 :13/05/2011 :WO/2011/150737 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)HUAWEI TECHNOLOGIES CO., LTD. Address of Applicant :Huawei Administration Building, Bantian, Longgang District, Shenzhen, Guangdong 518129, P.R. China</li> <li>(72)Name of Inventor :</li> <li>1)XIAO, Congtu;</li> <li>2)WU Tinghe;</li> </ul>
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A backplane and a network device are provided according to embodiments of the present invention. The backplane includes: a circuit board and connectors, where the connector includes a plurality of pins, the plurality of pins penetrates through holes on the circuit board, so that each of the connectors forms a first end and a second end on two sides of the circuit board; the second end is connected to a user equipment (UE); the backplane further includes an insulation layer, the insulation layer includes: a first section peripherally disposed at a periphery of the second end, and a second section that is connected to the first section and encloses a junction between the second end and the circuit board. The backplane and the network device provided by embodiments of the present invention adopt an insulation layer to enclose a junction between the connector and the circuit board, so as to prevent short circuit caused by water inflow at the through holes of the circuit board, thereby effectively avoiding the problem that the backplane is short-circuited and burned down.

No. of Pages : 14 No. of Claims : 10

(21) Application No.4367/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :23/10/2011

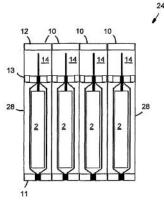
(43) Publication Date : 21/11/2014

# (54) Title of the invention : BATTERY HOUSING HAVING A SEALING PLATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:10 2009 015 686.0 :31/03/2009 :Germany	<ul> <li>(71)Name of Applicant :</li> <li>1)LI-TEC BATTERY GMBH Address of Applicant : Am Wiesengrund 7, 01917 Kamenz, Germany</li> <li>(72)Name of Inventor :</li> <li>1)HOHENTHANNER, Claus-Rupert</li> <li>2)KAISER Joerg</li> <li>3)GUTSCH Andreas</li> <li>4)BRASSE Claudia</li> <li>5)SCHAEFER Tim</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	
0		

(57) Abstract :

The invention relates to a battery housing (1) for receiving one or more battery cells (2), comprising a cover surface (3), a floor surface (4), and a sealing plate (5) disposed between the cover surface and the floor surface. The invention further relates to a retaining frame (10) for a battery cell (2), comprising a floor part (11), a cover part (12), and a sealing part (12) disposed between the floor part and the cover part.



No. of Pages : 20 No. of Claims : 20

(21) Application No.4368/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :23/10/2011

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : GALVANIC CELL HAVING RELEASABLE CONNECTING AREA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:10/02/2010 :WO/2010/112104 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LI-TEC BATTERY GMBH Address of Applicant :Am Wiesengrund 7, 01917 Kamenz, Germany</li> <li>(72)Name of Inventor :</li> <li>1)SCHAEFER, Tim</li> <li>2)GUTSCH Andreas</li> </ul>
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a galvanic cell (1) comprising a substantially prismatic electrode stack (6), an electrolyte, and a housing. The housing is provided in order to at least partially enclose the electrode stack. The electrode stack is designed having multiple layers, and comprises at least one anode layer (2), a cathode layer (3), and a separator (4). The separator layer (4) is disposed at least partially between the anode layer (2) and the cathode layer (3). The separator layer (4) at least partially absorbs the electrolyte. The at least one anode layer (2), the at least one cathode layer (3), and the at least one separator layer (4) are provided in order to be releaseably connected to each other in at least one connecting area, particularly by means of at least one releasable connecting device.

No. of Pages : 25 No. of Claims : 13

(21) Application No.4369/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :24/10/2011

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD AND SYSTEM FOR DYNAMICALLY PRODUCING DETAILED TRADE PAYMENT EXPERIENCE FOR ENHANCING CREDIT EVALUATION

(51) International classification	:G06Q 40/00	(71)Name of Applicant :
(31) Priority Document No	:61/211,235	1)THE DUN AND BRADSTREET CORPORATION
(32) Priority Date	:27/03/2009	Address of Applicant :103 JFK Parkway, Short Hills, New
(33) Name o priority country	:U.S.A.	Jersey 07078, U.S.A.
(86) International Application No	:PCT/US2010/028965	(72)Name of Inventor :
Filing Date	:26/03/2010	1)Norman BAHNCK, Jr.
(87) International Publication No	:WO/2010/111684	2)Monica LaRue
(61) Patent of Addition to Application	:NA	3)Andrew Blumetti
Number	:NA	4)Linda Rose
Filing Date	.INA	5)Brian CRIGLER
(62) Divisional to Application Number	:NA	6)Sandra STOKER
Filing Date	:NA	

(57) Abstract :

A computer implemented method and system for providing a credit evaluation report, the method comprising: searching a reference file of entities; identifying an entity of interest; determining user specified rules or criteria; selecting at least one relevant trade experience from a database of trade experiences for the entity of interest based upon the user specified rules or criteria, records for comparison to the relevant trade experience, and/or peer groups; and generating the credit evaluation report of the entity of interest based upon the relevant trade experience.

No. of Pages : 31 No. of Claims : 8

(21) Application No.3512/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :22/08/2011

(43) Publication Date : 21/11/2014

# (54) Title of the invention : COSMETIC WRINKLE TREATMENT METHOD BASED ON ZANTHOXYLUM BUNGEANUM EXTRACT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:A61Q 19/08 :MI2009A000247 :23/02/2009 :Italy :PCT/EP2010/001010	<ul> <li>(71)Name of Applicant :</li> <li>1)INDENA S.P.A.</li> <li>Address of Applicant :VIALE ORTLES, 12, I-20139</li> <li>MILANO ITALY</li> <li>(72)Name of Inventor :</li> </ul>
Filing Date	:18/02/2010	1)ARTARIA, CHRISTIAN
(87) International Publication No	:WO 2010/094477	2)MARAMALDI, GIADA
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a cosmetic wrinkle treatment method which comprises the topical application of a Zanthoxylum bungeanum extract obtainable by extraction with carbon dioxide under hypercritical conditions. The present invention also relates to the use of such Zanthoxylum bungeanum extract for the preparation of topical compositions for the cosmetic treatment of skin wrinkles.

No. of Pages : 8 No. of Claims : 5

#### (19) INDIA

(22) Date of filing of Application :28/09/2011

#### (21) Application No.4054/KOLNP/2011 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : PIVOT BEARING

(51) International classification	:E05D 3/00	(71)Name of Applicant :
(31) Priority Document No	:00826/10	1)MÜLLER MARTINI HOLDING AG
(32) Priority Date	:26/05/2010	Address of Applicant :SONNENBERGSTRASSE 13, CH-
(33) Name of priority country	:Switzerland	6052 HERGISWIL/SCHWEIZ SWITZERLAND
(86) International Application No	:PCT/CH2011/000115	(72)Name of Inventor :
Filing Date	:18/05/2011	1)JEAN-CLAUDE OPPLIGER
(87) International Publication No	:WO/2011/147039	2)MICHAEL LANDOLT
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

In a pivot bearing which substantially comprises a spherical bearing body and a bearing shell, the bearing shell encloses the bearing body at least partially. A clearance fit can be produced between the bearing body and the bearing shell by means and/or provisions, which clearance fit permits a degree of articulated freedom of the pivot bearing. The single-piece bearing shell (2) has a continuous radial slot (12) with at least one contoured bulge (202a), the means for producing the clearance fit between the bearing body and the bearing shell comprising at least one push-in element (200) which has a part shape (202) which corresponds to the bulge (202a). The part shape (202) of the push-in element (200) has a defined oversize with respect to the bulge (202a) of the slot (12), which oversize indicates a predetermined clearance fit between the bearing body and the bearing shell.

No. of Pages : 26 No. of Claims : 13

### (19) INDIA

(22) Date of filing of Application :01/11/2011

(21) Application No.4464/KOLNP/2011 A

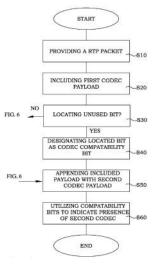
(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD AND ARRANGEMENT FOR PROVIDING A BACKWARDS COMPATIBLE PAYLOAD FORMAT

(51) International classification	:H04L 12/56	(71)Name of Applicant :
(31) Priority Document No	:61/167,273	1)TELEFONAKTIEBOLAGET LM ERICSSON (publ)
(32) Priority Date	:07/04/2009	Address of Applicant :S-164 83 Stockholm, Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/SE2010/050381	1)FRANKKILA, Tomas
Filing Date	:07/04/2010	2)BRUHN Stefan
(87) International Publication No	:WO/2010/117327	3)ENSTRÖM Daniel
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

In a method of providing a backward and forward compatible speech codec payload format, performing the steps of providing S10 a RTP package;. Subsequently, including S20 payload according to a first codec into the provided RTP package, and appending S50 payload according to a second codec into the provided RTP package. In addition, locating S30 at least one unused bit in the included first codec payload, and designating S40 the located at least one unused bit as a codec compatibility bit. Finally, utilizing S60 the designated at least one codec compatibility bit to provide an indication of the presence of the appended second codec payload.



No. of Pages : 46 No. of Claims : 11

(21) Application No.4465/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :01/11/2011

(43) Publication Date : 21/11/2014

### (54) Title of the invention : ELECTRODE GEOMETRY OF A GALVANIC CELL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:H01M 2/02 :10 2009 016 772.2 :07/04/2009 :Germany :PCT/EP2010/002069 :31/03/2010 :WO/2010/115572 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LI-TEC BATTERY GMBH Address of Applicant : Am Wiesengrund 7, 01917 Kamenz, Germany</li> <li>(72)Name of Inventor :</li> <li>1)SCHAEFER, Tim</li> <li>2)JUNKER Christian</li> </ul>
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(57) Abstract :

The invention relates to a galvanic cell (1, 10) which comprises an electrode stack (5). Said stack comprises at least one especially flat anode electrode (2), at least one especially flat cathode electrode (3), and at least one especially flat separator (4) which is interposed between said electrodes (3, 4). The invention is characterized in that the outer contour of the separator (4) has at least one cut-out section (42a, 42b) which is offset inwards with respect to said outer contour.

No. of Pages : 29 No. of Claims : 13

(21) Application No.4660/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :14/11/2011

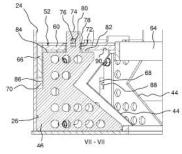
#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : CAVITY RING FOR A VERTICAL SHAFT IMPACT CRUSHER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:B02C 13/18 :0900665-1 :18/05/2009 :Sweden :PCT/SE2010/050519 :11/05/2010 :WO/2010/134874 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SANDVIK INTELLECTUAL PROPERTY AB Address of Applicant :S-811 81Sandviken, Sweden</li> <li>(72)Name of Inventor :</li> <li>1)KJAERRAN, Knut</li> <li>2)DALLIMORE Rowan</li> </ul>
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#### (57) Abstract :

A vertical shaft impact crusher comprises a rotor for accelerating a first flow of material to be crushed, a first feed means for feeding the first flow of material to the rotor, a housing comprising a circumferential impact wall section (26) against which the accelerated first flow of material may be crushed, and a second feed means for feeding a second flow of material towards a distributing wall section (24) of said housing and further into the path of the accelerated first flow of material. A cavity ring separates said impact wall section (26) from said distributing wall section (24). The cavity ring comprises at least two ring segments (52). Supports (44, 46) are provided for supporting the ring segments (52). A locking device (80) is provided for pressing the ring segments (52) towards at least one of said supports (44, 46).



No. of Pages : 25 No. of Claims : 15

(21) Application No.4303/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :18/10/2011

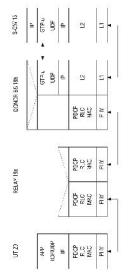
(43) Publication Date : 21/11/2014

# (54) Title of the invention : RADIO BEARER IDENTIFICATION FOR SELF BACKHAULING AND RELAYING IN LTE ADVANCED

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:H04W 28/06 :61/162,057 :20/03/2009 :U.S.A. :PCT/SE2009/051136 :09/10/2009 :WO/2010/107357	2)JOHANSSON Niklas 3)MILDH Gunnar
<ul> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	4)RÁCZ András 5)LINDSTRÖM Magnus

### (57) Abstract :

The present invention relates to a method and apparatus for user terminal and bearer identification that reduces the overhead for LTE relaying (layer 2 and layer 3), which will save radio resources on the backhaul link. Reduction in overhead is achieved by providing a more efficient mechanism for user terminal and bearer identification as compared to using GTP-u and associated UDP/IP headers.



No. of Pages : 33 No. of Claims : 4

# (19) INDIA

#### (22) Date of filing of Application :01/11/2011

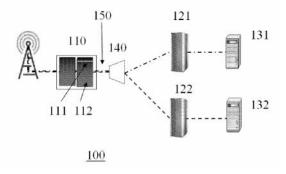
(21) Application No.4492/KOLNP/2011 A

(43) Publication Date : 21/11/2014

(54) Title of the invention : BASE STATION SHARING		
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:H04W 88/00 :NA :NA :PCT/CN2009/071157 :03/04/2009 :WO/2010/111839 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)HUAWEI TECHNOLOGIES CO., LTD. Address of Applicant :Huawei Administration Building, Bantian, Longgang District, Shenzhen, Guangdong 518129, P.R. China</li> <li>(72)Name of Inventor :</li> <li>1)LIN, Jie;</li> </ul>

#### (57) Abstract :

An improved base station sharing in a radio communication system is disclosed. A logical base station is arranged to share a physical base station in the radio communication system with at least one further logical base station. According to the invention, the logical base station is associated with a control node and with an operation and maintenance node in the radio communication system, wherein the control node and the operation and maintenance node are separate from at least one further control node and at least one further operation and maintenance node being associated with the at least one further logical base station.



No. of Pages : 26 No. of Claims : 15

(21) Application No.4694/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :14/11/2011

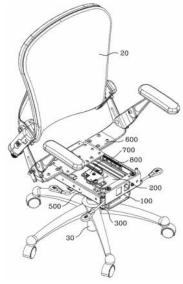
#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : SEATING FURNITURE HAVING MOVABLE BACKREST

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(2) Divisional to Application Number</li> </ul>	:15/04/2010 :WO/2010/120139 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)A4 CO., LTD.</li> <li>Address of Applicant :105 Gyeongnam Technopark APT</li> <li>Venture Area, 1484 Bangye-Dong, Changwon-Si,</li> <li>Gyeongsangnam-Do 641-460, Republic of Korea</li> <li>(72)Name of Inventor :</li> <li>1)LEE, Jung-Ho</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

The present invention relates to seating furniture, and more specifically, to seating furniture having a movable backrest, which allows a user's back to be supported by a backrest at all times in order to enable seating with proper posture, and comprises: a lower frame which is connected to a support; an upper frame which is connected to the lower frame via a vertical displacement generation means; at least one elastic body which is installed between the lower frame and upper frame; a back and forth moving means which is formed at the edge of the left and right sides of the upper frame, and is connected to a backrest frame to move back and forth; a power generation unit which converts the displacement according to the descent of the upper frame into a straight line movement at the back and forth moving means if a load is applied to a seat unit combined to the upper frame, thereby moving the backrest frame forward; and a switching unit which switches to a half-lock state in which the backrest frame can move forward only if a load is applied to the seat unit, and to an unlock state in which the backrest frame can move backward if the load applied to the seat unit is removed.



No. of Pages : 25 No. of Claims : 9

(21) Application No.4697/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :15/11/2011

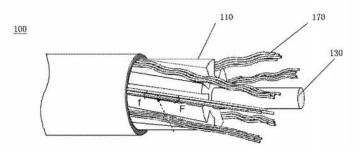
(43) Publication Date : 21/11/2014

# (54) Title of the invention : OPTICAL CABLE AND OPTICAL CABLE SYSTEM

(51) International classification	:H04N 710	(71)Name of Applicant :
(31) Priority Document No	:200910139853.2	1)HUAWEI TECHNOLOGIES CO., LTD.
(32) Priority Date	:03/07/2009	Address of Applicant :Huawei Administration Building,
(33) Name of priority country	:China	Bantian, Longgang District, Shenzhen, Guangdong 518129,
(86) International Application No	:PCT/CN2010/074763	P.R. China
Filing Date	:30/06/2010	(72)Name of Inventor :
(87) International Publication No	:WO/2011/000312	1)WU, Wenxin;
(61) Patent of Addition to Application	:NA	2)LI De;
Number	:NA :NA	3)ZHAO Jun;
Filing Date	.11/1	4)WEN Yunsheng;
(62) Divisional to Application Number	:NA	5)XIONG Yanhua;
Filing Date	:NA	

#### (57) Abstract :

Embodiments of the present invention disclose an optical cable and an optical cable system, where the optical cable includes an SZshaped optical cable skeleton and a plurality of optical fiber units. Skeleton slots is recessed in a periphery of the optical cable skeleton, and the plurality of optical fiber units is grouped and respectively disposed in the corresponding skeleton slots, thereby having the advantages of being easy to strip and draw, high reliability, and long lifetime. Moreover, the optical fiber does not need to be connected when being diverged on floors during installation, thereby reducing the fusion splicing/termination connection time, simplifying the optical cable wiring, greatly reducing deployment cost of an Optical Distribution Network (ODN), and speeding up the scale deployment of the FTTX ODN; in addition, interference among the optical fibers is avoided when the optical fibers are drawn, thereby increasing reliability of the optical fibers after installation.



No. of Pages : 16 No. of Claims : 15

(21) Application No.4202/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :11/10/2011

(43) Publication Date : 21/11/2014

# (54) Title of the invention : SINTERED PRODUCT BASED ON CHROMIUM OXIDE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:09 52469	<ul> <li>(71)Name of Applicant :</li> <li>1)SAINT-GOBAIN CENTRE DE RECHERCHES ET</li> <li>D'ETUDES EUROPEEN</li> <li>Address of Applicant :18 avenue d'Alsace, les Miroirs, F-</li> </ul>
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>		92400, Courbevoie, France (72)Name of Inventor : 1)CITTI, Olivier
<ul> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	2)FOURCADE Julien

(57) Abstract :

A sintered product presenting a mean chemical composition such that, in percentages by weight based on the oxides: Cr2O3 : 72.0% - 98,9% 2% < Al2O3 20% 0.1% TiO2 6.0% ZrO2 < 4.0% SiO2 0.9%.

No. of Pages : 15 No. of Claims : 17

(21) Application No.4204/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :12/10/2011

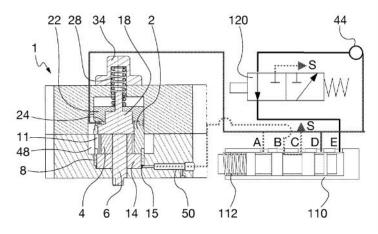
(43) Publication Date : 21/11/2014

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:F04C 2/10 :TO2009A000290 :15/04/2009 :Italy :PCT/IB2010/051621 :14/04/2010 :WO/2010/119411 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)VHIT S.P.A. Address of Applicant :Strada Vicinale Delle Sabbione, 5, I-26010 Offanengo (CR), Italy</li> <li>(72)Name of Inventor :</li> <li>1)CODECA', Armando</li> <li>2)CORTESI Matteo</li> <li>3)FERMINI Franco</li> </ul>
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#### (54) Title of the invention : VARIABLE CAPACITY FLUIDIC MACHINE

#### (57) Abstract :

An internal gear fluidic machine, in particular a pump for the lubrication circuit of a motor vehicle engine, comprises an operating part including an external gear (2) and an internal gear (4), which is housed within an axial cavity (25) of the external gear (2) and meshes with the latter. The external gear (2) is associated with a translating mechanism (8, 22), arranged to cause an axial sliding thereof relative to the internal gear (4) in order to vary the capacity and the fluid flow rate of the machine. The translating mechanism (8, 22) defines a first capacity, adjustment space (24) in communication with a high pressure chamber (48) of the machine, and a second capacity adjustment space (15) where pressure conditions exist that are dependent on the operating conditions of an element, different from the high pressure chamber (48), of a fluidic circuit in which the machine (1) is connected. The translating mechanism (8, 22) causes the sliding of the external gear (2) in response to the pressure conditions existing in both spaces. The invention also concerns a method of varying the capacity of an internal gear fluidic machine.



No. of Pages : 22 No. of Claims : 10

(21) Application No.4205/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :12/10/2011

#### (43) Publication Date : 21/11/2014

### (54) Title of the invention : ELECTRODE STACK FOR A GALVANIC CELL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:H01M 2/16 :10 2009 013 345.3 :16/03/2009 :Germany :PCT/EP2010/001621 :15/03/2010 :WO/2010/105790 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LI-TEC BATTERY GMBH Address of Applicant : Am Wiesengrund 7, 01917 Kamenz, Germany</li> <li>(72)Name of Inventor :</li> <li>1)GUTSCH, Andreas</li> <li>2)SCHAEFER Tim</li> <li>3)EICHINGER Guenter</li> </ul>
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(57) Abstract :

An electrode stack according to the invention comprises at least a cathode, an anode, and a separator with electrolyte. The cathode, the anode, and the separator are each plate-shaped, respectively. The surface area of the separator is at least as large, as the surface area of the cathode and/or of the anode. The plate-shaped elements of the electrode stack are at least partially connected with each other, by fixation means.

No. of Pages : 22 No. of Claims : 15

(21) Application No.4772/KOLNP/2011 A

#### (19) INDIA

(22) Date of filing of Application :18/11/2011

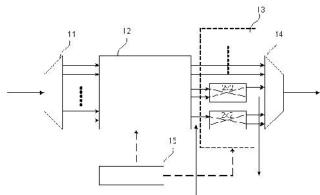
(43) Publication Date : 21/11/2014

#### (51) International classification :H04Q 11/00 (71)Name of Applicant : 1)HUAWEI TECHNOLOGIES CO., LTD. (31) Priority Document No :NA (32) Priority Date :NA Address of Applicant :Huawei Administration Building, (33) Name of priority country :NA Bantian, Longgang District, Shenzhen, Guangdong 518129, :PCT/CN2009/072962 P.R. China (86) International Application No Filing Date :28/07/2009 (72)Name of Inventor : (87) International Publication No :WO/2011/011914 1)ZHANG, Guangyong; (61) Patent of Addition to Application 2)SHEN Shuqiang; :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : DEVICE AND METHOD FOR COLORLESS OPTICAL SWITCHING

#### (57) Abstract :

The present invention discloses a device and a method for colorless optical switching, where the device includes: a demultiplexer, configured to demultiplex the input multi-wavelength light into multiple beams of light with single wavelength; a first optical cross unit, configured to output the received multiple beams of light with single wavelength through target ports to an optical switch array; the optical switch array, configured to drop the light that needs to be dropped from multiple beams of light with single wavelength, receive the light added by the local node, and output the light that needs to pass in the multiple beams of light with single wavelength and the light added by the local node; and a combiner, configured to combine the light output by the optical switch array. The optical switch device and method provided in the embodiments of the present invention feature colorlessness, low insertion loss, and low costs.



No. of Pages : 20 No. of Claims : 9

(21) Application No.4775/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :19/11/2011

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : TISSUE KALLIKREIN FOR THE TREATMENT OF HUNTINGTON™S DISEASE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33 Name of priority country</li> <li>(86) International Application No</li> </ul>	:A61K 38/48 :61/171,579 :22/04/2009 :U.S.A. :PCT/CA2010/000575	<ul> <li>(71)Name of Applicant :</li> <li>1)SANOMUNE INC.</li> <li>Address of Applicant :200-135 Innovation Drive, Winnipeg,</li> <li>Manitoba, R3T 6A8, Canada</li> <li>(72)Name of Inventor :</li> </ul>
Filing Date (87) International Publication No	:22/04/2010 :WO/2010/121361	1)WILLIAMS, Mark 2)CHARLES Matthew
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

This invention relates to methods of treating the prodrome and adult onset stage of Huntington's disease or symptoms thereof, and or Juvenile Huntington's disease symptoms thereof. Methods of the invention include administering a therapeutically effective amount of tissue kallikrein, variants or active fragments thereof. The invention further relates to pharmaceutical compositions comprising a therapeutically effective amount of tissue kallikrein, variants or active fragments thereof formulated for oral or intranasal administration.

No. of Pages : 50 No. of Claims : 18

(21) Application No.3974/KOLNP/2011 A

## (19) INDIA

(22) Date of filing of Application :23/09/2011

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD AND APPARATUS FOR EXTRACTING ENERGY FROM A FLUCTUATING ENERGY FLOW FROM A RENEWABLE ENERGY SOURCE

(51) International classification	:F03D 9/00	(71)Name of Applicant :
(31) Priority Document No	:1009012.4	1)ARTEMIS INTELLIGENT POWER LIMITED
(32) Priority Date	:28/05/2010	Address of Applicant : UNIT 3 EDGEFIELD INDUSTRIAL
(33) Name of priority country	:U.K.	ESTATE EDGEFIELD ROAD LOANHEAD MIDLOTHIAN
(86) International Application No	:PCT/EP2011/058866	EH20 9TB U.K.
Filing Date	:30/05/2011	(72)Name of Inventor :
(87) International Publication No	:WO/2011/147997	1)CALDWELL, NIALL JAMES
(61) Patent of Addition to Application	:NA	2)DUMNOV, DANIIL SERGEEVICH
Number	:NA	<b>3)FIELDING, MICHAEL RICHARD</b>
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

An energy extraction device and method for extracting energy from a fluctuating energy flow from a renewable energy source. A hydraulic pump is driven by a rotating shaft, driven in turn by a renewable energy source. A hydraulic motor drives a load and a high pressure manifold communicates between the pump, motor and an elastically deformable fluid retaining body. The hydraulic pump and hydraulic motor comprise working chambers displacing a volume of working fluid selectable on each cycle of working chamber volume by the control of electronic valves. The pressure in the high pressure manifold is measured and the net rate of displacement of working fluid by the hydraulic pump is selected responsive thereto to regulate the torgue applied to the said rotating shaft. The net rate of displacement of working fluid by the hydraulic motor is selected to smooth the energy flow to the load. The net rate of displacement of working fluid by the hydraulic motor is selected to cause the pressure within the high pressure manifold to tend towards an optimum. The optimum is variable and can be selected to optimise the efficiency of power transmission from the rotating shaft to the load or to increase the longevity of the energy extraction device.

No. of Pages : 53 No. of Claims : 14

(19) INDIA

(22) Date of filing of Application :19/10/2011

(43) Publication Date : 21/11/2014

# (54) Title of the invention : HYBRID-ARQ MECHANISM FOR COOPERATIVE BASE STATIONS UPLINK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04L 1/18 :61/161,924 :20/03/2009 :U.S.A. :PCT/EP2009/059677 :27/07/2009 :WO/2010/105702 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET LM ERICSSON (publ) Address of Applicant :S-164 83 Stockholm, Sweden</li> <li>(72)Name of Inventor :</li> <li>1)MEYER, Michael</li> <li>2)FALCONETTI Laetitia</li> <li>3)HOYMANN Christian</li> <li>4)WIEMANN Henning</li> </ul>
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(57) Abstract :

Method for performing a feedback process between a network access node and a user terminal, comprising collecting supporting information and suspending a transmission of a transport block until the supporting information is collected and/or a decision is taken as to whether request either a new transmission or a retransmission. The method may be performed in a serving network node cooperating with supporting network nodes, receivers or antennas, wherein a first part of the information of the transport block is gathered from a receiver or antenna within the serving network node and a second part of the information of the transport block is gathered from one of the supporting network nodes, receivers or antennas.

No. of Pages : 32 No. of Claims : 22

(21) Application No.4322/KOLNP/2011 A

(21) Application No.4854/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :25/11/2011

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : REDUCED DENSITY GLASS BUBBLE POLYMER COMPOSITE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C08K7/28 :61/173,791 :29/04/2009	<ul> <li>(71)Name of Applicant :</li> <li>1)TUNDRA COMPOSITES, LLC Address of Applicant :1823 Buerkle Road, White Bear Lake,</li> </ul>
(33) Name of priority country	:U.S.A.	Minnesota 55110, U.S.A.
(86) International Application No	:PCT/US2010/032969	(72)Name of Inventor :
Filing Date	:29/04/2010	1)HEIKKILA, Kurt E.
(87) International Publication No	:WO/2010/127117	2)WILLIAMS Rodney K.
(61) Patent of Addition to Application	:NA	3)KROLL John S.
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

The invention relates to a hollow glass microsphere and polymer composite having enhanced viscoelastic and rheological properties.

No. of Pages : 64 No. of Claims : 16

(21) Application No.4855/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :25/11/2011

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : CERAMIC COMPOSITE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:C04B 35/65 :61/173,791 :29/04/2009 :U.S.A. :PCT/US2010/032950 :29/04/2010 :WO/2010/127101	<ul> <li>(71)Name of Applicant :</li> <li>1)TUNDRA COMPOSITES, LLC Address of Applicant :1823 Buerkle Road, White Bear Lake, MN 55110, U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)HEIKKILA, Kurt E.</li> <li>2)WILLIAMS Rodney K.</li> </ul>
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>		
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract :

The invention relates to a ceramic particulate and polymer composite having enhanced viscoelastic and rheological properties.

No. of Pages : 43 No. of Claims : 15

(21) Application No.4856/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :25/11/2011

(43) Publication Date : 21/11/2014

# (54) Title of the invention : INTEGRATED POWER CONTROL AND LINK ADAPTATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:H04B 7/00 :61/174,039 :30/04/2009 :U.S.A. :PCT/IB2010/001000 :30/04/2010 :WO/2010/125459 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET LM ERICSSON (publ) Address of Applicant :S-164 83 Stockholm, Sweden</li> <li>(72)Name of Inventor :</li> <li>1)CHEN, Dayong</li> </ul>
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(57) Abstract :

A method and apparatus in a base station for jointly controlling sub-channel transmission power and assigned codec modes for a first and second mobile station utilizing Voice services over Adaptive Multi-user channel on One Slot (VAMOS). The base station receives signal quality information reports from the mobile stations every 480 ms using the Slow Associated Control Channel (SACCH), and receives codec mode requests from the mobile stations every 40 ms using Adaptive Multi-Rate (AMR) in-band signaling. The base station associates the requested codec modes with estimated levels of speech quality currently being experienced by the first and second mobile stations. The base station then allocates sub-channel transmission power and assigns codec modes to the first and second mobile stations based on the estimated levels of speech quality associated with the requested codec modes and the signal quality reports.

No. of Pages : 25 No. of Claims : 26

(21) Application No.4903/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :02/12/2011

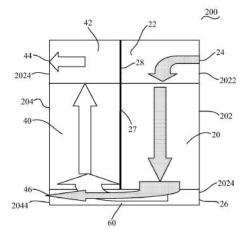
(43) Publication Date : 21/11/2014

(54) Title of the invention : INSERT BOX WITH FRONT AND REAR INSERTION AND HEAT DISSIPATION METHOD THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:F28D 7/00 :NA :NA :NA :PCT/CN2009/072274 :15/06/2009 :WO/2010/145069	(72)Name of Inventor : 1)TIAN, Weiqiang;
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA :NA	2)XU Jiye; 3)HAO Mingliang;

# (57) Abstract :

The embodiments of the present invention provide an insert box with front and rear insertion (200) and a heat dissipation method of the insert box (200). The insert box (200) includes a front single board area (20), a backboard (27), and a rear single board area (40). A first air flow passing from a first wind inlet (24) at an upper end portion at a front side of the insert box (200) passes through one of the front single board area (20) and the rear single board area (40); and a second air flow passing from a second wind inlet (26) at a lower end portion at the front side of the insert box (200) passes through the other one of the front single board area (20) and the rear single board area (40).



No. of Pages : 25 No. of Claims : 13

(21) Application No.4905/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :02/12/2011

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : HANDLING A SCHEDULING REQUEST TRIGGER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:H04W 72/04 :61/175,668 :05/05/2009 :U.S.A. :PCT/SE2010/050063 :25/01/2010 :WO/2010/128927 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET LM ERICSSON (publ) Address of Applicant :S-164 83 Stockholm, Sweden</li> <li>(72)Name of Inventor :</li> <li>1)ÖSTERGAARD, Jessica</li> <li>2)PELLETIER Ghyslain</li> <li>3)STATTIN Magnus</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A method in a user equipment for handling a scheduling request trigger is provided. The user equipment comprises a buffer. After receiving (501) data arriving into the buffer to be transmitted to a base station, the user equipment generates (503) a scheduling request trigger. The scheduling request trigger is pending until it is cancelled, and is triggered directly or indirectly by the arrived data. The user equipment cancels (504) the pending scheduling request trigger when the data that triggered the generation of the scheduling request trigger is accounted for in a buffer status report to be included in a scheduled data transmission to be transmitted to the base station, or when the data that triggered the generation of the scheduling request is included in a scheduled data transmission to be transmitted to the base station, whichever occurs first.

No. of Pages : 48 No. of Claims : 10

(21) Application No.4906/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :02/12/2011

(43) Publication Date : 21/11/2014

#### :H04W 48/00 (51) International classification (71)Name of Applicant : (31) Priority Document No :NA 1)TELEFONAKTIEBOLAGET LM ERICSSON (publ) (32) Priority Date :NA Address of Applicant :S-164 83 Stockholm, Sweden (33) Name of priority country :NA (72)Name of Inventor : 1)RÖNNEKE, Hans (86) International Application No :PCT/EP2009/055477 2)RYDNELL Gunnar Filing Date :06/05/2009 (87) International Publication No :WO/2010/127696 3)TOTH Stefan (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(54) Title of the invention : DEDICATED GATEWAYS FOR MOBILE BROADBAND DEVICES

(57) Abstract :

A quite simple and effective way for simplifying the mobile system for the mobile broadband customers, thereby lowering the equipment costs and in the end allowing for more competitive flat rate fees, is to direct the traffic from mobile broadband devices (110) to dedicated gateways (120). The mobile broadband device (110) is comprised in a user equipment (105) in a wireless communication network (100). The wireless communication network (100) comprises a network node (115) is arranged to be connected to the mobile broadband device (110). First, the mobile broadband device (110) sends (200, 300) an attach request message to the network node (115). The attach request comprises an information element indicating that the device (110) is a broadband device. Then, the device (110) receives (301) an attach accept message from the network node (115) comprising address information of the dedicated gateway (120). After the device (110) has received the attach accept message it sends (302, 205) traffic to the dedicated gateway (120).

No. of Pages : 27 No. of Claims : 14

## (19) INDIA

(22) Date of filing of Application :03/12/2011

#### (21) Application No.4908/KOLNP/2011 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ATTENUATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H03H 11/24 :200910109818.6 :20/11/2009 :China :PCT/CN2010/078936 :22/11/2010 :WO/2011/060740 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)HUAWEI TECHNOLOGIES CO., LTD. Address of Applicant :Huawei Administration Building, Bantian, Longgang District, Shenzhen, Guangdong 518129, P.R. China</li> <li>(72)Name of Inventor :</li> <li>1)GAO, Cunhao;</li> </ul>
Filing Date	:NA	

#### (57) Abstract :

An attenuator includes a first 3dB bridge, a second 3dB bridge and an amplifying tube group, where the amplifying tube group includes a first amplifying tube and a second amplifying tube, a drain of the first amplifying tube is connected to a first output port of the first 3dB bridge, a source of the first amplifying tube is connected to a first input port of the second 3dB bridge, a drain of the second amplifying tube is connected to a second output port of the first 3dB bridge, and a source of the second amplifying tube is connected to a second output port of the first 3dB bridge, and a source of the second amplifying tube is connected to a second output port of the first 3dB bridge, and a source of the second amplifying tube is connected to a second output port of the first amplifying tube and the second amplifying tube are respectively connected to the same voltage source or different voltage sources having the same voltage.

No. of Pages : 25 No. of Claims : 25

(21) Application No.4919/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :05/12/2011

(43) Publication Date : 21/11/2014

# (54) Title of the invention : ALLOCATION OF SYNCHRONIZATION SEQUENCES TO CELLS IN A CELLULAR COMMUNICATION SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:H04B 7/26 :NA :NA :NA :PCT/SE2009/050502 :08/05/2009 :WO/2010/128908 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET LM ERICSSON (publ) Address of Applicant :S-164 83 Stockholm, Sweden</li> <li>(72)Name of Inventor :</li> <li>1)LINDOFF, Bengt</li> <li>2)ANDGART Niklas</li> <li>3)KANGAS Ari</li> <li>4)ROSENQVIST Anders</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract :

Allocation of cell IDs in a cellular communication system includes determining a candidate allocation pattern of primary and secondary synchronization signal sequences for a candidate set of two or more cells. A performance metric is applied to the candidate allocation pattern to ascertain a performance indicator for the candidate allocation pattern, wherein the performance indicator indicates a quality of positioning performance for the candidate set of two or more cells. Cell-specific positioning performance for each cell in the candidate set of cells can be considered to derive the performance indicator of the candidate allocation pattern. If the performance indicator indicates acceptable positioning performance, primary and secondary synchronization signal sequences are allocated to respective ones of base stations corresponding to the two or more cells in accordance with the candidate allocation pattern. Otherwise, the process is repeated for a different candidate allocation pattern.

No. of Pages : 55 No. of Claims : 51

(21) Application No.4921/KOLNP/2011 A

#### (19) INDIA

(22) Date of filing of Application :05/12/2011

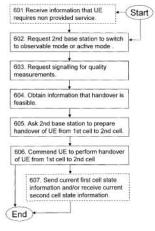
(43) Publication Date : 21/11/2014

(54) Title of the invention : METHOD AND ARRANGEMENT IN A RADIO COMMUNICATIONS SYSTEM FOR SUPPORTING DTX

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:H04W 36/22 :NA :NA :NA :PCT/SE2009/050503 :08/05/2009 :WO/2010/128909 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET LM ERICSSON (publ) Address of Applicant :S-164 83 Stockholm, Sweden</li> <li>(72)Name of Inventor :</li> <li>1)FRENGER, Pål</li> <li>2)BALDEMAIR Robert</li> <li>3)DAHLMAN Erik</li> </ul>
	:WO/2010/128909 :NA :NA :NA :NA	5)DAHLMAN EFIK

#### (57) Abstract :

A method in a first base station for supporting DTX is provided. The first base station serves a first cell being in an active mode. The first base station communicates with a user equipment within the first cell. The first base station is comprised in a radio communications system further comprising the user equipment and a second base station serving a second cell being in a non observable mode. The first base station sends (602) to the second base station, a request to switch the second cell state from a non observable mode to an observable mode. It further sends (603) to the user equipment or to the second base station, a request to perform signalling between the user equipment and the second base station for quality measurements. The first base station then obtains (604) information that handover is feasible, based on quality measurement of the performed signalling. The first base station sends (605) to the second base station, a request to prepare handover of the user equipment from the first cell to the second cell, and further (606) to the user equipment, a command to perform handover to the second cell.



No. of Pages : 48 No. of Claims : 32

(21) Application No.4922/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :06/12/2011

(43) Publication Date : 21/11/2014

(54) Title of the invention : HIGH-TEMP	ERATURE BIMETAL	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:B32B15 :2009-140040 :11/06/2009 :Japan	<ul> <li>(71)Name of Applicant :</li> <li>1)NEOMAX MATERIALS CO., LTD. Address of Applicant :2-19-1 Minami-Suita, Suita-shi, Osaka, 564-0043 JAPAN</li> <li>(72)Name of Inventor :</li> <li>1)ODA, Yoshimitsu</li> <li>2)ISHIO Masaaki</li> </ul>

(57) Abstract :

A high-temperature bimetal capable of being inhibited fromconsiderably shifting from an original position when the temperature has fallen to an ordinary temperature is provided. This high-temperature bimetal (1) includes a high thermal expansion layer (2) made of austenitic stainless steel and a low thermal expansion layer (3) made of a thermosensitive magnetic metal having a Curie point and bonded to the high thermal expansion layer. The high-temperature bimetal is employed over both a high temperature range of not less than the Curie point and a low temperature range of less than the Curie point, while an upper limit of operating temperatures in the high temperature range of not less than the Curie point is at least 500°C.

No. of Pages : 55 No. of Claims : 21

(54) Title of the invention : FOUNDATION FOR METALOG BUILDINGS

(21) Application No.4923/KOLNP/2011 A

#### (19) INDIA

(22) Date of filing of Application :06/12/2011

(43) Publication Date : 21/11/2014

#### (71)Name of Applicant : (51) International classification :E04B1 (31) Priority Document No :12/387,976 1)STEIN, Alejandro (32) Priority Date :11/05/2009 Address of Applicant :C.P. 90, CH-1297 Founex, (33) Name of priority country :U.S.A. SWITZERLAND (72)Name of Inventor : (86) International Application No :PCT/EP2010/002927 Filing Date :11/05/2010 1)STEIN, Alejandro (87) International Publication No :WO/2010/130433 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract :

A foundation for a building superstructure has a number of hollow foundation tubes laid horizontally on the ground and susceptible to degradation over time by contact with the ground. Each tube is protected by one or both of the following: (1) a reinforcement housed within the tube, shaped conformably to the interior of the tube, and resistant to degradation by contact with the ground; and (2) a membrane surrounding the tube, shaped conformably to the exterior of the tube, and resistant to degradation by contact with the ground; and (2) a membrane surrounding the tube, shaped conformably to the exterior of the tube, and resistant to degradation by contact with the ground. The tubes are arranged to form the footprint of a small building. In completing the building superstructure, other tubes, which need not have the same protection, are stacked on the foundation tubes. Degradation of the foundation tubes over time because of their contact with the ground is rendered inconsequential by the reinforcement or prevented by the membrane.

No. of Pages : 30 No. of Claims : 17

(21) Application No.1803/KOLNP/2014 A

# (19) INDIA

(22) Date of filing of Application :26/08/2014

#### (43) Publication Date : 21/11/2014

### (54) Title of the invention : THREE-DIMENSIONAL OBJECT DETECTION DEVICE

<ul> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> <li>No</li> </ul>	:G08G1/16,B60R1/00,B60R21/00 :2012-037472 :23/02/2012 :Japan :PCT/JP2013/053327 :13/02/2013 :WO 2013/125403	<ul> <li>(71)Name of Applicant :</li> <li>1)NISSAN MOTOR CO., LTD. Address of Applicant :2, Takara-cho, Kanagawa-ku Yokohama-shi, Kanagawa 221-0023, JAPAN</li> <li>(72)Name of Inventor :</li> <li>1)Osamu FUKATA</li> <li>2)Yasuhisa HAYAKAWA</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

This three-dimensional object detection device is provided with: an image conversion means (31) that converts the viewpoint of an image obtained from an imaging means (10) to create a bird's eye view image; a three-dimensional object detection means (33) that, using a difference image in which the positions of bird's eye view images taken at different times are aligned, generates vehicle width direction waveform information by counting a number of pixels that indicate a predetermined difference along the vehicle width direction and carrying out frequency distribution of said pixels, and on the basis of the vehicle width direction waveform information, carries out vehicle width direction detection processing in which three-dimensional objects that exist within a detection area are detected; a three-dimensional object determination means (34) that determines whether a detected three-dimensional object is another vehicle that exists within the detection area; and a control means (34) that identifies a detected position for which a count number exceeding a predetermined value was obtained during vehicle width direction processing, and when the identified detected position moves within the detection area from the front toward the back of the vehicle travel direction and arrives at a predetermined position within the detection area, suppresses determination of the three-dimensional object as another vehicle that is a target for detection.

No. of Pages : 72 No. of Claims : 9

(21) Application No.1804/KOLNP/2014 A

#### (19) INDIA

(22) Date of filing of Application :26/08/2014

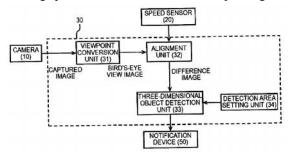
(43) Publication Date : 21/11/2014

# (54) Title of the invention : THREE-DIMENSIONAL OBJECT DETECTION DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No</li> <li>Filing Date</li> <li>(87) International Publication</li> </ul>	:G06T1/00,B60R21/00,G08G1/16 :2012-037482 :23/02/2012 :Japan :PCT/JP2013/053328 :13/02/2013 :WO 2013/125404	<ul> <li>(71)Name of Applicant :</li> <li>1)NISSAN MOTOR CO., LTD. Address of Applicant :2, Takara-cho, Kanagawa-ku Yokohama-shi, Kanagawa 221-0023, JAPAN</li> <li>(72)Name of Inventor :</li> <li>1)Osamu FUKATA</li> <li>2)Yasuhisa HAYAKAWA</li> </ul>
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

#### (57) Abstract :

This three-dimensional object detection device is provided with: an imaging means (10) for imaging the rear of a vehicle; a detection area setting means (34) that sets a predetermined detection area in the left and right side sections of the rear of the vehicle; an image conversion means (31) that converts the viewpoint of a captured image to create a bird's eye view image; a three-dimensional object detection means (32, 33) that, using a difference image in which the positions of bird's eye view images taken at different times are aligned as a bird's eye view, generates difference waveform information by counting a number of pixels that indicate a predetermined difference and carrying out frequency distribution for said pixels, and on the basis of the difference waveform information, carries out detection of three-dimensional objects in the detection area; and a relative moving speed calculation means (33) that calculates the relative moving speed of a three-dimensional object with respect to the vehicle on the basis of the difference waveform information. The three-dimensional object detection device is characterized in that the detection area setting means (34) enlarges the detection area to the rear of the travel direction of the vehicle when a three-dimensional object is detected in the detection area and the relative moving speed of the three-dimensional object is greater than a predetermined value.



No. of Pages : 79 No. of Claims : 12

(21) Application No.4721/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD FOR OPERATING A BATTERY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>		<ul> <li>(71)Name of Applicant :</li> <li>1)LI-TEC BATTERY GMBH Address of Applicant : Am Wiesengrund 7, 01917 Kamenz, </li> <li>Germany (72)Name of Inventor : 1)CUTSCH Andreas </li> </ul>
	~	-

(57) Abstract :

The task at hand is achieved by a method for operating a battery having at least one galvanic cell. The at least one galvanic cell is subjected at least temporally to an examination, particularly at a predetermined operating state of the battery or the galvanic cell.

No. of Pages : 20 No. of Claims : 10

(21) Application No.4935/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :08/12/2011

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : HALOALKYL HETEROARYL BENZAMIDE COMPOUNDS

# (57) Abstract :

A new class of haloalkyl heteroaryl benzamides is described. These compounds show strong activity against hepatitis viruses.

No. of Pages : 162 No. of Claims : 10

(21) Application No.1810/KOLNP/2014 A

# (19) INDIA

(22) Date of filing of Application :26/08/2014

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METHOD FOR PRODUCING EUGLENA HAVING HIGH WAX ESTER CONTENT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to</li> <li>Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application</li> </ul>	:31/01/2013	<ul> <li>1)EUGLENA CO., LTD. Address of Applicant :31F Iidabashi First Tower, 2-6-1, Koraku, Bunkyo-ku, Tokyo 1120004 JAPAN</li> <li>2)JX NIPPON OIL &amp; ENERGY CORPORATION</li> <li>(72)Name of Inventor : <ol> <li>ARASHIDA, Ryo</li> <li>MARUKAWA, Yuka</li> <li>AOKI, Nobuo</li> <li>MATSUDA, Hitoshi</li> </ol> </li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	5)KATO, Hiroaki 6)YONEDA, Akira

(57) Abstract :

Provided is a method that is for producing Euglena having a high wax ester content and that is able to more effectively produce Euglena having a high wax ester content by restoring the fermentation efficiency of wax esters by adding a nutrient before anaerobic fermentation. The main configuration of the method is that there is at least a first step for aerobically cultivating the microalga Euglena in nitrogen-poor conditions, and a second step for holding the cells in an anaerobic state, and before the second step, a nutrient source is added to the culture liquid that has passed through the first step.

No. of Pages : 51 No. of Claims : 9

(21) Application No.1811/KOLNP/2014 A

# (19) INDIA

(22) Date of filing of Application :26/08/2014

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : PROCESS FOR PREPARING DIKETONATO-RHODIUM(I)-CARBONYL COMPLEXES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C07F15/00 :10 2012 008 111.1 :25/04/2012	<ul> <li>(71)Name of Applicant :</li> <li>1)UMICORE AG &amp; CO. KG Address of Applicant :Rodenbacher Chaussee 4, 63457 Hanau</li> </ul>
(33) Name of priority country	:Germany	GERMANY
(86) International Application No	:PCT/EP2013/058628	(72)Name of Inventor :
Filing Date	:25/04/2013	1)WOERNER, Eileen
(87) International Publication No	:WO 2013/160401	2)EBERT, Timo
(61) Patent of Addition to Application	:NA	3)KARCH, Ralf
Number	:NA	4)RIVAS-NASS, Andreas
Filing Date	.11A	5)DOPPIU, Angelino
(62) Divisional to Application Number	:NA	6)WIDMER, Juergen
Filing Date	:NA	

(57) Abstract :

The invention relates to a process for preparing diketonato-rhodium(I)-carbonyl complexes, especially diketonato-rhodium(I)triorganophosphine-carbonyl complexes, for example Rh(CO)(PPh3)acac. The process according to the invention is a one-pot synthesis and features a process procedure without intermediate isolation stages. After introduction of an Rh(III) halide precursor into a solvent and sparging with carbon monoxide (CO), a diketo compound of the R-C(=O)-CH2-C(=O)-R type and a base are added, forming the intermediate compound diketonato-Rh(CO)2. After addition of a triorganophosphine of the PR3 type, the reaction mixture is heated and the diketonatocarbonyltriorganophosphine-rhodium(I) complex is removed. The process enables a rapid operation and a high yield. The complex Rh(CO)(PPh3)acac prepared in accordance with the invention, because of its purity, is particularly suitable as a catalyst or precatalyst for homogeneous catalysis, for example for hydroformylation reactions.

No. of Pages : 22 No. of Claims : 22

(21) Application No.1812/KOLNP/2014 A

# (19) INDIA

(22) Date of filing of Application :26/08/2014

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : ADDITIVE MASTERBATCH WITH A C3-C5 ALPHA-OLEFIN HOMO- OR COPOLYMER IN THE CARRIER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:C08L 23/12,C08J 3/22 :12002994.7 :27/04/2012 :EPO :PCT/EP2013/001234 :24/04/2013 :WO 2013/159923	2)NYLANDER, PERRY
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:WO 2013/159923 :NA :NA :NA :NA	3)FAGRELL, OLA

(57) Abstract :

The present invention relates to a polyethylene composition comprising: a) a polyethylene having cross-linkable silicon-containing groups (A); and b) a masterbatch comprising - one or more additives; and - a carrier comprising a C3-C5 alpha-olefin homo or copolymer (B). The present invention further relates to a cross-linked polyethylene composition obtainable by treating the composition according to any one of the preceding claims under cross-linking conditions. The present invention also relates to the following uses: Use of a masterbatch comprising - an additive; and - a carrier comprising a C3-C5 alpha-olefin homo- or copolymer (B) for adding an additive to a polyethylene with cross-linkable silicon- containing groups. Use of C3-C5 alpha-olefin homo- or copolymer (B) as carrier for additive(s) to improve the performance of a silanol condensation catalyst when cross- linking a polyethylene with cross-linkable silicon-containing groups.

No. of Pages : 27 No. of Claims : 14

(21) Application No.4853/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :25/11/2011

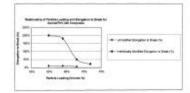
(43) Publication Date : 21/11/2014

#### (54) Title of the invention : INORGANIC COMPOSITE

(51) International classification	:C08K 9/04	(71)Name of Applicant :
(31) Priority Document No	:61/173,791	1)TUNDRA COMPOSITES, LLC
(32) Priority Date	:29/04/2009	Address of Applicant :1823 Buerkle Road, White Bear Lake,
(33) Name of priority country	:U.S.A.	MN 55110, U.S.A.
(86) International Application No	:PCT/US2010/032956	(72)Name of Inventor :
Filing Date	:29/04/2010	1)HEIKKILA, Kurt E.
(87) International Publication No	:WO/2010/127106	2)WILLIAMS Rodney K.
(61) Patent of Addition to Application	:NA	3)KROLL John S.
Number	:NA	
Filing Date	.117	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract :

The invention relates to a nonmetallic inorganic or mineral particulate polymer composite having enhanced viscoelastic and rheological properties.



No. of Pages : 61 No. of Claims : 16

### (21) Application No.5042/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :15/12/2011

(43) Publication Date : 21/11/2014

### (54) Title of the invention : TREATMENT OF TISSUE ADHESION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A61K31 :0909136.4 :28/05/2009 :U.K. :PCT/EP2010/057478 :28/05/2010 :WO/2010/136589	<ul> <li>(71)Name of Applicant :</li> <li>1)PROFIBRIX B.V. Address of Applicant :Zernikedreef 9, 2333 CK Leiden, The Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)KOOPMAN, Jacob</li> </ul>
<ul> <li>(67) International Fublication (67)</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

Dry powder compositions are useful in the treatment or prevention of tissue adhesions during or after surgery or during wound therapy. The dry powder compositions may contain trehalose. The dry powder compositions may be fibrin sealant compositions comprising fibrinogen and/or thrombin.

No. of Pages : 22 No. of Claims : 24

(21) Application No.1808/KOLNP/2014 A

# (19) INDIA

(22) Date of filing of Application :26/08/2014

(43) Publication Date : 21/11/2014

### (54) Title of the invention : BALANCING WEIGHTS WITH MULTI LAYER ADHESIVE TAPE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:F16F15/32 :13/408,183 :29/02/2012 :U.S.A. :PCT/EP2013/054078 :28/02/2013 :WO 2013/127944 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)WEGMANN AUTOMOTIVE GMBH &amp; CO. KG Address of Applicant :Rudolf-Diesel-Str. 6, 97209</li> <li>Veitshöchheim GERMENY</li> <li>(72)Name of Inventor :</li> <li>1)HEGER, Ingo</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

Balancing weights (10) for cars have an adhesive tape with at least a first tape layer (21) and a second tape layer (20), for attaching the balancing weights to a rim (80). The first tape layer (21) is held in close proximity to a rim (80) by a first adhesive layer (52). The second tape layer (20) is held in close proximity to the balancing weights (10) by a second adhesive layer (50). The first tape layer (21) is stiffer and less flexible than the second tape layer (20), the second tape layer (20) is softer and more flexible than the first tape layer (21). This allows easy removal of the balancing weights (10) from the rim (80) by pushing a wedge shaped tool (81) between the first tape layer (21) and the rim (80).

No. of Pages : 21 No. of Claims : 13

(21) Application No.3552/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :24/08/2011

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : ORAL ANTI-PROTOZOIASIS VACCINES BASED ON TRANSGENIC PLANTS

(51) Internationa classification	:A01H5/00	(71)Name of Applicant :
(31) Priority Document No	:2004-160666	1)THE KITASATO INSTITUTE
(32) Priority Date	:31/05/2004	Address of Applicant :9-1, Shirokane 5-chome, Minato-ku,
(33) Name of priority country	:Japan	Tokyo 108-8641 Japan.
(86) International Application o	:PCT/JP2005/009851	
Filing Date	:30/05/2005	Technology
(87) International Publication No	:WO/2005/116216	(72)Name of Inventor :
(61) Patent of Addition to Application		1)ITO, Akira
Number	:NA	2)GOTANDA Toru
Filing Date	:NA	3)KOBAYASHI Shigeki
(62) Divisional to Application Number	:3715/KOLNP/2006	4)KUME Katsumi
Filed on	:11/12/2006	5)MATSUMURA Takeshi

(57) Abstract :

Leaves of potato plants transformed with a vector that expresses an R7 immunogenic protein gene derived from second-generation schizonts of Leucocytozoon caulleryi were administered to chickens as an oral vaccine. As a result, the present inventors succeeded in increasing the antibody titer of the chickens.

No. of Pages : 19 No. of Claims : 5

(19) INDIA

(22) Date of filing of Application :18/10/2011

(21) Application No.4296/KOLNP/2011 A

# (43) Publication Date : 21/11/2014

#### (54) Title of the invention : METHOD AND APPARATUS FOR MONITORING A RANDOM ACCESS CHANNEL

<ul> <li>(87) International Publication No</li> <li>(87) International Publication No</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>NA</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> <li>(63) Divisional to Application Number</li> <li>(64) Patent of Addition Number</li> <li>(65) Divisional to Application Number</li> <li>(66) Divisional to Application Number</li> <li>(67) Divisional to Application Number</li> <li>(68) Divisional to Application Number</li> <li>(61) Patent of Addition Number</li> <li>(62) Divisional to Application Number</li> <li>(63) Divisional to Application Number</li> <li>(64) Patent of Addition Number</li> <li>(7) Patent of A</li></ul>	<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:NA :NA :NA	2)ERIKSSON Erik 3)GUNNARSSON Fredrik
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### (57) Abstract :

The present invention relates generally to methods and arrangements for positioning in a wireless communications system. In particular, the present invention relates to improving positioning accuracy. The invention provides methods and arrangements for scheduling positioning subframes for allowing aligning of positioning subframes across a number of cells in order to reduce the interference from data symbols of cells in the neighborhood of a cell serving the UE that is performing positioning measurements. A time instance during which transmission of the positioning subframes is to occur in a wireless communications network is selected. The base stations in the wireless communications network are informed about the selected time instance, whereupon the base stations schedule and transmit the positioning subframes based on the selected time instance, whereby the positioning subframes are aligned throughout the network.

No. of Pages : 43 No. of Claims : 26

(21) Application No.5081/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :19/12/2011

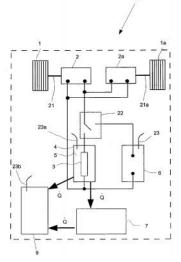
(43) Publication Date : 21/11/2014

### (54) Title of the invention : VEHICLE HAVING A DRIVE DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B60K 1/04 :10 2009 030 541.6 :25/06/2009 :Germany :PCT/EP2010/003319 :01/06/2010 :WO/2010/149260 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LI-TEC BATTERY GMBH Address of Applicant : Am Wiesengrund 7, 01917 Kamenz, Germany</li> <li>(72)Name of Inventor :</li> <li>1)SCHAEFER, Tim</li> <li>2)GUTSCH Andreas</li> </ul>
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(57) Abstract :

The vehicle according to the invention is equipped with a drive device (10) comprising at least one propulsion unit (1), a drive unit (2), an energy conversion unit (3), and a first energy storage unit (4). The drive unit is provided to apply a force and/or a torque to the propulsion unit. The energy conversion unit is provided to be supplied with energy by the drive unit. The first energy storage unit is provided to store energy. The drive device is further provided to periodically assume a first operating state, in which a force and/or a torque is applied to the propulsion unit by the drive unit, or to periodically assume a second operating state, in which a force and/or a torque is applied to the drive unit by the propulsion unit. In the second operating state, the drive unit and the energy conversion unit (3) are provided to supply the energy conversion unit and/or the first energy storage unit (4) with energy. The energy conversion unit (3) is provided to convert electrical energy into thermal energy.



No. of Pages : 18 No. of Claims : 12

# (19) INDIA

(22) Date of filing of Application :05/04/2011

(21) Application No.1438/KOLNP/2011 A

(43) Publication Date : 21/11/2014

### (54) Title of the invention : APPARATUS AND METHOD FOR DISTRIBUTING IRRITANTS OR WARFARE AGENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> </ul>	:10 2008 046 246.2 :08/09/2008 :Germany	<ul> <li>(71)Name of Applicant :</li> <li>1)DRÄGER, Karl-Heinz Address of Applicant :Ortliebstr. 8, 10365 Berlin, Germany</li> <li>(72)Name of Inventor :</li> <li>1)DRÄGER, Karl-Heinz</li> </ul>
<ul><li>(62) Divisional to Application Number</li><li>Filing Date</li></ul>	:NA :NA	

(57) Abstract :

An apparatus for distributing irritants or warfare agents comprises a container (10) having an interior (11) for providing an irritant or warfare agent, which is dissolved or emulsified in a solution gas in its liquefied state of aggregation, which solution gas is in gaseous condition at room temperature and atmospheric pressure or ambient pressure. In addition, the container (10) has at least one predetermined breaking point (12) for producing an opening of the interior to the surroundings of the container at a predefined bursting pressure in the interior (11), and the apparatus further comprises a pressure generating means (14-16; 19; 20-24) which can generate an increased pressure in the interior (11) of the container (10) that is greater than the bursting pressure of the at least one predetermined breaking point (12).

No. of Pages : 25 No. of Claims : 16

(21) Application No.2818/KOLNP/2012 A

# (19) INDIA

(22) Date of filing of Application :26/09/2012

(43) Publication Date : 21/11/2014

# (54) Title of the invention : PARAMETRIC JOINT-CODING OF AUDIO SOURCES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filed on</li> </ul> </li> </ul>	:H04S 3/00 :05101055.1 :14/02/2005 :EPO :PCT/EP2006/050904 :01/01/1900 :WO/2006/084916 :NA :NA :NA :2778/KOL NP/2007 :30/07/2007	<ul> <li>(71)Name of Applicant :</li> <li>1)FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG</li> <li>DER ANGEWANDTEN FORSCHUNG E.V. Address of Applicant :HANSASTRA E 27C, 80686</li> <li>MUNICH GERMANY</li> <li>(72)Name of Inventor :</li> <li>1)FALLER, CHRISTOF</li> </ul>
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(57) Abstract :

The following coding scenario is addressed: A number of audio source signals need to be transmitted or stored for the purpose of mixing wave field synthesis, multi channel surround, or stereo signals after decoding the source signals. The proposed technique offers significant coding gain when jointly coding the source signals, compared to separately coding them, even when no redundancy is present between the source signals. This is possible by considering statistical properties of the source signals, the properties of mixing techniques, and spatial hearing. The sum of the source signals is transmitted plus the statistical properties of the source signals which mostly determine the perceptually important spatial cues of the final mixed audio channels. Source signals are recovered at the receiver such that their statistical properties approximate the corresponding properties of the original source signals. Subjective evaluations indicate that high audio quality is achieved by the proposed scheme.

No. of Pages : 35 No. of Claims : 14

(21) Application No.2819/KOLNP/2012 A

# (19) INDIA

(22) Date of filing of Application :26/09/2012

(43) Publication Date : 21/11/2014

### (54) Title of the invention : PARAMETRIC JOINT-CODING OF AUDIO SOURCES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filed on</li> </ul> </li> </ul>	:H04S 3/00 :05101055.1 :14/02/2005 :EPO :PCT/EP2006/050904 :13/02/2006 :WO/2006/084916 :NA :NA :NA :2778/KOLNP/2007 :30/07/2007	<ul> <li>(71)Name of Applicant :</li> <li>1)FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG</li> <li>DER ANGEWANDTEN FORSCHUNG E.V. Address of Applicant :HANSASTRA E 27C, 80686</li> <li>MUNICH GERMANY</li> <li>(72)Name of Inventor :</li> <li>1)FALLER, CHRISTOF</li> </ul>
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(57) Abstract :

The following coding scenario is addressed: A number of audio source signals need to be transmitted or stored for the purpose of mixing wave field synthesis, multi channel surround, or stereo signals after decoding the source signals. The proposed technique offers significant coding gain when jointly coding the source signals, compared to separately coding them, even when no redundancy is present between the source signals. This is possible by considering statistical properties of the source signals, the properties of mixing techniques, and spatial hearing. The sum of the source signals is transmitted plus the statistical properties of the source signals which mostly determine the perceptually important spatial cues of the final mixed audio channels. Source signals are recovered at the receiver such that their statistical properties approximate the corresponding properties of the original source signals. Subjective evaluations indicate that high audio quality is achieved by the proposed scheme.

No. of Pages : 31 No. of Claims : 3

#### (21) Application No.5214/KOLNP/2011 A

#### (19) INDIA

(22) Date of filing of Application :27/12/2011

(54) Title of the invention : PNEUMATIC CLAMPING CYLINDER

(43) Publication Date : 21/11/2014

#### (51) International classification :B23B31/30 (71)Name of Applicant : (31) Priority Document No :10 2009 026 118.4 1)RÖHM GMBH (32) Priority Date :07/07/2009 Address of Applicant : Heinrich-Röhm-Strasse 50, 89567 (33) Name of priority country :Germany Sontheim/Brenz, Germany :PCT/DE2010/075049 (86) International Application No (72)Name of Inventor : 1)WEICHLER, Helmut Filing Date :10/06/2010 (87) International Publication No :WO/2011/003410 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

The invention relates to a pneumatic clamping cylinder (1) for clamping devices on machine tools (2), comprising a cylinder housing (3) that can be coupled to the rotationally drivable working spindle of the machine tool (2) and a cylinder piston (6) that can be axially moved in the cylinder chamber (5) of the cylinder housing (3). A first annular bearing element (11) is arranged between the cylinder piston (6) and the cylinder housing (3) as a bearing, and a second annular bearing element (12) is arranged between the cylinder piston (6) and the working spindle (4) as a bearing, wherein both the first annular bearing element (11) and the second annular bearing element (12) are designed to have a minimum play of 1/100 mm.

No. of Pages : 10 No. of Claims : 8

(21) Application No.4936/KOLNP/2011 A

# (19) INDIA

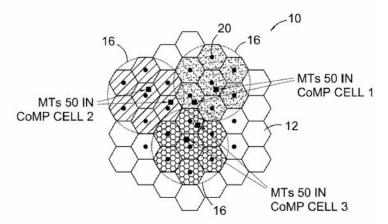
(22) Date of filing of Application :08/12/2011

(43) Publication Date : 21/11/2014

# (54) Title of the invention : DISTRIBUTED COMPUTATION OF PRECODING WEIGHTS FOR COORDINATED MULTIPOINT TRANSMISSION ON THE DOWNLINK

#### (57) Abstract :

In a Coordinated Multi-point (CoMP) system, the base station (BS) in each serving cell (or sector) is allowed to use not only its own antennas, but also the antennas of neighboring BSs to transmit to mobile terminals in the serving cell to form a floating CoMP cell. The serving BS in each floating CoMP cell computes tentative linear precoding weights for transmissions from the coordinating BSs in the floating CoMP cell to users in the serving cell of the floating CoMP cell. The serving BS determines the power availability for transmit antennas in the floating CoMP cell that are shared with other floating CoMP cells, and scales the tentative precoding weights based on the power availability of the shared transmit antennas to determine final precoding weights so that the power constraints of the shared transmit antennas will not be violated.



No. of Pages : 23 No. of Claims : 16

#### (19) INDIA

(22) Date of filing of Application :23/12/2011

#### (21) Application No.5167/KOLNP/2011 A

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : MULTISTAGE TRANSMISSION (71)Name of Applicant : (51) International classification :F16H 3/44 (31) Priority Document No :10-2009-0046150 1)BYUN, Donghwan Address of Applicant :205dong-202ho Shinbanpo APT (32) Priority Date :26/05/2009 Jamwon-Dong Seocho-Gu Seoul 137-949, Republic of Korea (33) Name of priority country :Republic of Korea (86) International Application No :PCT/KR2010/003344 (72)Name of Inventor : Filing Date :26/05/2010 1)BYUN, Donghwan (87) International Publication No :WO/2010/137880 (61) Patent of Addition to Application :NA Number :NA

:NA

:NA

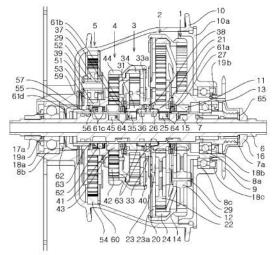
#### (57) Abstract :

Filing Date

Filing Date

(62) Divisional to Application Number

The present invention relates to a multistage transmission, comprising: a center shaft arranged in a frame such that the center shaft does not rotate; an input member arranged coaxially to the center shaft such that the input member is rotatable; a hub arranged coaxially to the center shaft such that the hub is rotatable; an epicyclic gear set which is coupled to the input member and mounted on the hub, and which is arranged coaxially to the center shaft such that the epicyclic gear set is rotatable, and which has at least two pairs of epicyclic gears, wherein each of the epicyclic gears has a sun gear, a ring gear, a satellite carrier and a pinion; an axial clutch which is involved in the operation of the sun gear which is selectively coupled to or separated from at least one of the peripheral members; a clutch assembly in which at least one of the clutches in a rotating direction are arranged in correspondence with the respective sun gears, wherein said clutches in the rotating direction are involved in the operation of the sun gear which is selectively coupled to or separated from the center shaft; and a transmission shaft which has a hollow portion and a plurality of radial through-holes, and which covers the center shaft and rotates to select a rotating direction, and which is involved in the operation of the clutch assembly. The multistage transmission of the present invention provides two or more gear ratios between the input member and the hub in accordance with the rotating direction of the transmission shaft.



No. of Pages : 33 No. of Claims : 29

(21) Application No.5168/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :24/12/2011

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DEVICE AND METHOD FOR PROCESSING FLUID

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:B01D 29/13 :0920072.6 :17/11/2009 :U.K. :PCT/GB2010/051916 :17/11/2010 :WO/2011/061533 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BRIGHTWAKE LIMITED Address of Applicant :Sidings Road, Lowmoor Industrial Estate, Kirkby-in-Ashfield, Nottingham, Nottinghamshire NG17</li> <li>7JZ, United Kingdom U.K.</li> <li>(72)Name of Inventor :</li> <li>1)COTTON, Stephen</li> <li>2)GOURLAY Terrence</li> </ul>
	:NA :NA :NA	

(57) Abstract :

Devices for concentrating fluids that comprise discrete or particulate material dispersed in a liquid medium, such as whole blood, by removal of a proportion of the liquid medium, and a method of producing blood cell concentrates from whole blood using reduced pressure. The devices comprise an outer bag formed of an impermeable material and an inner bag formed of a permeable material, the inner bag containing an absorbent material or being adapted for connection to a source of reduced pressure.

No. of Pages : 21 No. of Claims : 25

(21) Application No.553/KOL/2013 A

# (19) INDIA

(22) Date of filing of Application :15/05/2013

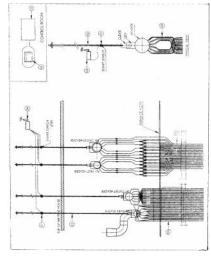
#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : 'AN INTEGRATED APPARATUS TO CONTINUOUSLY MONITOR THE HEALTH OF STRUCTURES AND FORMATION OF ASH DEPOSITS ON HEAT EXCHANGER COILS IN A STEAM GENERATOR'

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:E21B 33/00 :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BHARAT HEAVY ELECTRICALS LIMITED Address of Applicant :REGION CAL OPERATIONS DIVISION(ROD), PLOT NO:9/1, DJBLOCK 3RD FLOOR, KARUNAMOYEE,SALTLAKE CITY, KOLKATA-700091, HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI FORT, NEW DELHI - 110049, INDIA.</li> </ul>
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)SIVANANTHAM DHAMALINGAM
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The invention relates to an integrated apparatus, to continuously monitor the load on the hanger rods supporting heat exchangers in a steam generator and the condition of main members of boiler structures, comprising one or many smart sensors (1) mounted on the suspension or hanger rods (2) supporting the heat exchangers (3) to monitor continuously the ash deposition on the heat exchangers; one or many smart sensors (1) mounted on the main members of boiler structure (7); sensors connected to one or many wireless units (4); a PLC based system (5) to process the signals received from wireless units, carry out computations, provide alarms and maintain a data base and a Man-Machine interface (6) provided for interfacing with PLC based system.



No. of Pages : 16 No. of Claims : 5

(21) Application No.4151/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :08/10/2011

(43) Publication Date : 21/11/2014

#### (54) Title of the invention : DEVICE FOR TRANSPORTING FOLDABLE BICYCLES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:B62B 1/12 :0904273.0 :12/03/2009 :U.K. :PCT/GB2010/050434 :11/03/2010 :WO/2010/103328	<ul> <li>(71)Name of Applicant :</li> <li>1)HIGGINS, Brian Andrew Address of Applicant :12 Broadcroft, Letchworth Garden City, Hertfordshire SG6 3DS, U.K.</li> <li>(72)Name of Inventor :</li> <li>1)HIGGINS, Brian Andrew</li> </ul>
<ul> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

The present invention provides a device for releasable attachment to, and transport on, a bicycle, and also for transporting the bicycle by wheeling.

No. of Pages : 22 No. of Claims : 16

(21) Application No.4152/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :08/10/2011

(43) Publication Date : 21/11/2014

# (54) Title of the invention : SECTIONAL DOCUMENTS COMPRISING A STRUCTURE EQUIPPED WITH A WATERMARK OR PSEUDO-WATERMARK AND ASSOCIATED PROCESS

(51) International classification	:B41M 3/10	(71)Name of Applicant :
(31) Priority Document No	:09 52417	1)ARJOWIGGINS SECURITY
(32) Priority Date	:10/04/2009	Address of Applicant :21-23 Boulevard Haussmann, F-75009
(33) Name of priority country	:France	Paris, France
(86) International Application No	:PCT/IB2010/051555	(72)Name of Inventor :
Filing Date	:12/04/2010	1)RANCIEN, Sandrine
(87) International Publication No	:WO/2010/116343	2)LE LOARER Thibault
(61) Patent of Addition to Application	:NA	3)MARLIN Pascal
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The present invention relates to a sectional document (100) comprising: - a support (101) that defines at least two sections (101a, 101b) connected by at least one fold line (102), - a structure linked to the support (101), especially at the fold line (102), with a possibility of movement relative to the latter and extending at least partially between the two sections (101a, 101b) when the sectional document is folded, the structure comprising: - a fibrous layer (103a, 103b, 104a, 104b), - a substructure (120) comprising a translucent region, - a watermark or pseudo-watermark (110a) borne by the fibrous layer and being superposed at least partially at the translucent region of the substructure, so that the watermark or pseudo-watermark can be observed in light transmitted through the structure, at the translucent region of the substructure, only from the face of the structure situated on the side of the fibrous layer.

No. of Pages : 48 No. of Claims : 17

(21) Application No.4947/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :08/12/2011

#### (43) Publication Date : 21/11/2014

(54) Title of the invention : OPTICAL DEM	<b>MODULATOR</b>
(51) The of the invention : of The E DER	10D0Li110K

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:H04B 10/06 :200910189593.X :25/11/2009 :China :PCT/CN2010/079100	
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:25/11/2010 :WO/2011/063750 :NA :NA :NA :NA	<ul> <li>(72)Name of Inventor :</li> <li>1)FU, Zhenghua;</li> <li>2)DAI Xiquan;</li> <li>3)CHENG Yongjing;</li> </ul>

(57) Abstract :

The embodiments of the present invention provides an optical demodulator, which includes a first reflective mirror, a second reflective mirror, a third reflective mirror, and an optical splitter. The optical splitter is configured to: split input light for the first time; split for the second time a first path of light reflected back by the first reflective mirror, where two paths of light obtained by splitting the first path of light reflective mirror and the third reflective mirror respectively, split for the second time a second path of light reflected back by the second reflective mirror, where two paths of light obtained by splitting the a second path of light reflected back by the second reflective mirror, where two paths of light obtained by splitting the second path of light are emitted to the first reflective mirror, where two paths of light obtained by splitting the second path of light are emitted to the first reflective mirror and the third reflective mirror respectively.

No. of Pages : 23 No. of Claims : 12

(21) Application No.4949/KOLNP/2011 A

#### (19) INDIA

(22) Date of filing of Application :08/12/2011

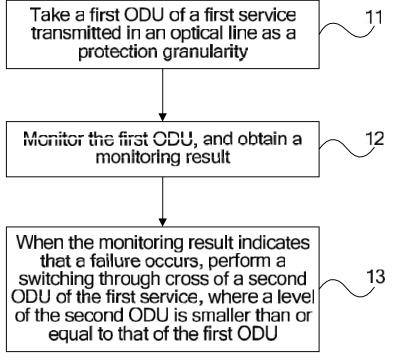
(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD AND DEVICE FOR REALIZING OPTICAL CHANNEL DATA UNIT SHARED PROTECTION RING

(51) International classification (31) Priority Document No	:H04L 12/24 :NA	(71)Name of Applicant : 1)HUAWEI TECHNOLOGIES CO., LTD.
(32) Priority Date	:NA	Address of Applicant : Huawei Administration Building,
(33) Name of priority country	:NA	Bantian, Longgang District, Shenzhen, Guangdong 518129,
(86) International Application No	:PCT/CN2009/072133	P.R. China
Filing Date	:04/06/2009	(72)Name of Inventor :
(87) International Publication No	:WO/2010/139119	1)YAN, Jun;
(61) Patent of Addition to Application	:NA	2)XIAO Xin;
Number	:NA	3)WU Qiuyou;
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

A method and a device for realizing an optical channel data unit (ODU) shared protection ring (SPRing) are disclosed by the present invention. The method includes: A first ODU of a first service transmitted in an optical line is taken as a protection granularity, where the first ODU is an ODUk that is directly multiplexed to the optical line; the first ODU is monitored, and a monitoring result is obtained; when the monitoring result indicates that a failure occurs, a switching is performed through cross of a second ODU of the first service, where the second ODU is an ODUm that is multiplexed to the first ODU, and m is smaller than or equal to k. Through the embodiments of the present invention, a protection switching speed may be accelerated.



No. of Pages : 25 No. of Claims : 15

(21) Application No.555/KOL/2013 A

# (19) INDIA

#### (22) Date of filing of Application :15/05/2013

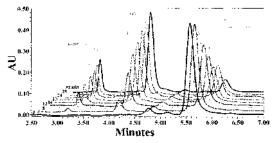
#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : NANO-PESTICIDE FORMULATION BASED ON FLUORESCENT ORGANIC PHOTORESPONSIVE NANOPARTICLES.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:A01N25/00 :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)INDIAN INSTITUTE OF TECHNOLOGY,</li> <li>KHARAGPUR <ul> <li>Address of Applicant :SPONSORED RESEARCH &amp;</li> <li>INDUSTRIAL CONSULTANCY, INDIAN INSTITUTE OF</li> <li>TECHNOLOGY, KHARAGPUR-721302, WEST BENGAL,</li> </ul> </li> </ul>
Filing Date	:NA	
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA	(72)Name of Inventor : 1)ATTA, SANGHAMITRA
Filing Date	:NA	2)CHATTOPADHYAY, TIRTHARTHA
(62) Divisional to Application Number	:NA	3)IKBAL, MOHAMMED
Filing Date	:NA	4)SINGH, N. D. PRADEEP
		5)MAITI, MRINAL. K.

# (57) Abstract :

A fluorescent photoresponsive organic nanoparticles/ nanocarriers comprising perylene-3-ylmethanol fluorophore nano particles with photoregulated release ability of the active and nano-pesticide formulation comprising fluorescent organic photoresponsive nanoparticles/ nanocarriers for controlled release of pesticide selected from 2, 4-D (2, 4-dichlorophenoxyacetic acid) and real time monitoring of morphological changes induced by 2, 4-D in plant system. Advantageously, said nano-pesticide formulation of the present invention with good fluorescence, cellular uptake property and efficient photoregulated release ability is adapted to favour tracking ability inside the plant tissues and effective control over pesticide release.



No. of Pages : 23 No. of Claims : 15

# (19) INDIA

(22) Date of filing of Application :03/10/2011

(21) Application No.4102/KOLNP/2011 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD AND ARRANGEMENT FOR POSITIONING IN A WIRELESS COMMUNICATIONS SYSTEM

(51) Intermeticus 1 -1:fiticus	10411/00	(71)Niama af Armiliant
(51) International classification	:H04W 16/00	(71)Name of Applicant :
(31) Priority Document No	:61/158,876	1)TELEFONAKTIEBOLAGET LM ERICSSON (publ)
(32) Priority Date	:10/03/2009	Address of Applicant :S-164 83 Stockholm, Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/SE2009/050773	1)GERSTENBERGER, Dirk
Filing Date	:18/06/2009	2)LARSSON Daniel
(87) International Publication No	:WO/2010/104436	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
I ming Date	.1111	

# (57) Abstract :

The present invention relates generally to methods and arrangements for positioning in a wireless communications system. In particular, the present invention relates to improving positioning accuracy. The invention provides methods and arrangements for scheduling positioning subframes for allowing aligning of positioning subframes across a number of cells in order to reduce the interference from data symbols of cells in the neighborhood of a cell serving the UE that is performing positioning measurements. A time instance during which transmission of the positioning subframes is to occur in a wireless communications network is selected. The base stations in the wireless communications network are informed about the selected time instance, whereupon the base stations schedule and transmit the positioning subframes based on the selected time instance, whereby the positioning subframes are aligned throughout the network.

No. of Pages : 35 No. of Claims : 42

(21) Application No.4659/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :11/11/2011

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD AND SYSTEM FOR INSERTING ADVERTISEMENTS IN A CONTENT STREAM IN INTERNET PROTOCOL TELEVISION (IPTV)

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:H04L 29/06 :61/170,257 :17/04/2009 :U.S.A. :PCT/IB2010/051675 :16/04/2010 :WO/2010/119433 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET LM ERICSSON (publ) Address of Applicant :S-164 83 Stockholm, Sweden</li> <li>(72)Name of Inventor :</li> <li>1)FOTI, George</li> </ul>
Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

A method for inserting advertisements in a content stream in IPTV comprises: notifying an external decision point of advertisement insertion opportunities in the content stream; receiving, in response to the notification, advertisements selected by the external decision point, to be inserted in the advertisement insertion opportunities; and transmitting to a controlling node policies relative to the selected advertisements for insertion in the content stream. The method is carried out in a system, which comprises an advertisement management service for notifying the external decision point about the advertisement insertion opportunities, an input module, in response to the notification, for receiving the selected advertisements and an output module for transmitting to the controlling node the policies relative to the selected advertisements for insertion in the content stream.

No. of Pages : 31 No. of Claims : 24

(21) Application No.578/KOL/2013 A

# (19) INDIA

(22) Date of filing of Application :20/05/2013

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : IMPROVED PROCESS FOR GROOVE MILLING AND STEP MILLING ON ROOT OF 250 MW, T4-25, BAR TYPE , STEAM TURBINE BLADE USING FIXTURE WITH NEW DEVELOPED CLAMP.

(51) International classification	:F01D 5/00	(71)Name of Applicant : 1)BHARAT HEAVY ELECTRICALS LIMITED
(31) Priority Document No	:NA	Address of Applicant : REGIONAL OPERATIONS
(32) Priority Date	:NA	DIVISION(ROD), PLOT NO:9/1, DJBLOCK 3RD FLOOR,
(33) Name of priority country	:NA	KARUNAMOYEE,SALTLAKE CITY, KOLKATA-700091,
(86) International Application No	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI
Filing Date	:NA	FORT, NEW DELHI - 110049, INDIA.
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)BHUDATT SHARMA
Filing Date	:NA	2)SADHU RAM
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to an improved process for groove milling and step milling on root of 250 mw, T4-25 bar type steam turbine blade by clamping with a newly developed clamp. The arrangement comprises holding and clamping the blade by the device, locating the blade from the root side by support location and performing the operation groove milling and step milling of root.

No. of Pages : 11 No. of Claims : 2

(21) Application No.746/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :18/02/2011

(43) Publication Date : 21/11/2014

# (54) Title of the invention : LOW WEIGHT CARPET AND CARPET TILE AND METHODS OF MANUFACTURE, SIZING AND INSTALLATION

(51) International classification	:D06N 7/00	(71)Name of Applicant :
(31) Priority Document No	:61/093,640	1)INTERFACE, INC.
(32) Priority Date	:02/09/2008	Address of Applicant :2859 PACES FERRY ROAD, SUITE
(33) Name of priority country	:U.S.A.	2000, ATLANTA, GEORGIA 30339 U.S.A.
(86) International Application No	:PCT/US2009/055739	(72)Name of Inventor :
Filing Date	:02/09/2009	1)JONES, STUART
(87) International Publication No	:WO 2010/028049	2)HOBBS, JAMES
(61) Patent of Addition to Application	:NA	3)SHEPPARD, JOEL
Number	:NA	4)WOODS, JAMES
Filing Date	.111/2	5)BRADFORD, JOHN P.
(62) Divisional to Application Number	:NA	6)JONES, WILLIAM N.
Filing Date	:NA	

### (57) Abstract :

Low weight and non-square carpet tile suitable for use in mass transit vehicles, particularly passenger aircraft. The carpet tile preferably weighs less than about 82 ounces per square yard. The carpet tile of this invention may have a carpet pile and at least one backing layer. The backing layer may use low weight filler material. Secondary backing plastic material may be compressed into the tile structure with pressure rollers or other pressure applying process on an improved tile production line. The carpet tiles satisfy transportation industry standards for flame, smoke and toxicity. Tiles may be sized during manufacture and installed in configurations that minimize the number of tile sizes needed and minimize the need for cutting tiles during installation. The patterns used for such tiles may be orthogonally ambiguous or otherwise suitable for random installation. In other embodiments, a passenger aircraft cabin includes a floor having rectangular carpet tiles installed thereon, and the carpeting can be installed in the aircraft without removing seats from the aircraft.

No. of Pages : 35 No. of Claims : 57

(21) Application No.201/KOL/2014 A

# (19) INDIA

(22) Date of filing of Application :18/02/2014

(43) Publication Date : 21/11/2014

(54) Title of the invention : POWERTRAIN AND STEERING ASSEMBLY LAYOUT			
<ul> <li>(54) Fitte of the invention : POWERTRAIN AND</li> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>		(71)Name of Applicant : 1)GM GLOBAL TECHNOLOGY OPERATIONS LLC	

# (57) Abstract :

A vehicle includes an engine assembly configured to power a vehicle. The engine assembly defines a first engine end and a second engine end opposite the first engine end. The first engine end is spaced apart from the second engine end along a first direction. The engine assembly defines a third engine end and a fourth engine end opposite the third engine end. The third engine end is spaced apart from the fourth engine end along a second direction. The second direction is substantially perpendicular to the first direction. The vehicle further includes a steering assembly disposed in close proximity to the engine assembly. The steering assembly includes a steering body disposed closer to the first engine end than to the second engine end.

No. of Pages : 15 No. of Claims : 10

#### (21) Application No.4802/KOLNP/2011 A

#### (19) INDIA

(22) Date of filing of Application :22/11/2011

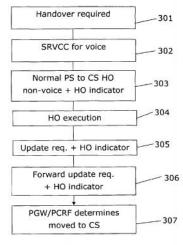
(54) Title of the invention : PS TO CS HANDOVER INDICATOR

(43) Publication Date : 21/11/2014

(51) International classification	:H04W 36/14	(71)Name of Applicant :
(31) Priority Document No	:61/171,918	1)TELEFONAKTIEBOLAGET LM ERICSSON (publ)
(32) Priority Date	:23/04/2009	Address of Applicant :S-164 83 Stockholm, Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor :
(86) International Application No	:PCT/EP2010/055211	1)STENFELT, John
Filing Date	:20/04/2010	2)HEDMAN Peter
(87) International Publication No	:WO/2010/122029	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a solution for handling handover of connections for a user equipment from a packet switch network to a circuit switched network. This is provided as a method implemented in a node and system. The method is provided in a telecommunications network (100) connecting user equipment, i.e. UE, (101) communicating wirelessly (111) with the network. The method comprising steps of detecting (301) that handover is required from a packet switched, i.e. PS, based network (102) to a circuit switched, i.e. CS, based network (103), initiating (302) in a source mobility management node (104) a single radio voice call continuity, i.e. SVRCC, initiating (303) a PC to CS handover for non-voice components with information about voice related parameters and a PS to CS handover indicator, executing (304) hand over, sending (305) an update request to a serving gateway, i.e. SGW, (107) from a target mobility management node (105) with non-voice related parameters and the PS to CS handover indicator, and handling (307) in the PGW the PS to CS handover indicator.



No. of Pages : 23 No. of Claims : 15

(21) Application No.4803/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :22/11/2011

(43) Publication Date : 21/11/2014

### (54) Title of the invention : ELECTROCHEMICAL CELL HAVING LITHIUM TITANATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> </ul> </li> </ul>	:H01M 10/0525 :10 2009 018 804.5 :24/04/2009 :Germany :PCT/EP2010/001986 :29/03/2010 :WO/2010/121696 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)LI-TEC BATTERY GMBH Address of Applicant : Am Wiesengrund 7, 01917 Kamenz, Germany</li> <li>(72)Name of Inventor :</li> <li>1)GUTSCH, Andreas</li> <li>2)SCHAEFER Tim</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to an electrochemical cell, comprising a negative electrode comprising a lithium titanate; a positive electrode; and a separator separating the negative from the positive electrode. The cell can be preferably used for driving a vehicle having an electric motor, preferably having a hybrid drive system.

No. of Pages : 16 No. of Claims : 15

(21) Application No.502/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :31/01/2011

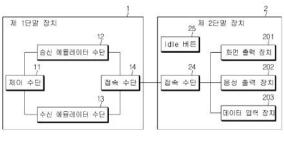
(43) Publication Date : 21/11/2014

# (54) Title of the invention : TERMINAL APPARATUS USING A PERIPHERAL APPARATUS OF ANOTHER TERMINAL VIA THE CONTROL OF ONE TERMINAL, AND INTERFACE METHOD THEREOF

(51) International classification	:G06F 13/10	(71)Name of Applicant :
(31) Priority Document No	:10-2008-0064081	1)RYU Sang-Kyu
(32) Priority Date	:02/07/2008	Address of Applicant :110-904 Dongbaek Apt. Ojeon-dong
(33) Name of priority country	:Republic of Korea	Uiwang-si Gyeonggi-do 437-727 Korea Republic of Korea
(86) International Application No	:PCT/KR2009/003590	2)RYU Jun-Sun
Filing Date	:01/07/2009	(72)Name of Inventor :
(87) International Publication No	:WO/2010/002190	1)RYU Sang-Kyu
(61) Patent of Addition to Application	:NA	2)RYU Jun-Sun
Number	:NA :NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

The present invention relates to a terminal apparatus in which a first terminal apparatus controls and uses a peripheral apparatus of a second terminal apparatus at the state where the first terminal apparatus and the second terminal apparatus are interconnected with each other. The terminal apparatus according to the present invention enables the first terminal apparatus to independently and directly control the peripheral apparatus of the second terminal apparatus at the state where the first terminal apparatus is connected to the second terminal apparatus, wherein the terminal apparatus serves as the first terminal apparatus, and includes: a connection means for the wired connection to the second terminal apparatus; a control means for converting data to transmit data of the first terminal apparatus to the second terminal apparatus; and a receiving emulator means for converting input data of the second terminal apparatus into data of the first terminal apparatus.





No. of Pages : 18 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :16/05/2013

(21) Application No.563/KOL/2013 A

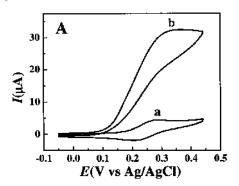
#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : DISPONSABLE BIOSENSOR BASED ON REDOX MEDIATOR FUNCTIONALIZED GRAPHENE OXIDE NANOARCHITECTURE AND THE PREPARATION THEREOF.

(51) International classification	:C12Q1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY,
(32) Priority Date	:NA	KHARAGPUR
(33) Name of priority country	:NA	Address of Applicant :SPONSORED RESEARCH &
(86) International Application No	:NA	INDUSTRIAL CONSULTANCY, INDIAN INSTITUTE OF
Filing Date	:NA	TECHNOLOGY, KHARAGPUR-721302, WEST BENGAL,
(87) International Publication No	: NA	INDIA.
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)RAJ, DR. C. RETNA
(62) Divisional to Application Number	:NA	2)DEY, MR, RAMENDRA SUNDAR
Filing Date	:NA	

### (57) Abstract :

A disposable redox mediator-based amperometric analyte sensor comprising the same, which analyte is preferably a bioanalyte, thus enabling a biosensing platform with a disposable biosensor based on graphene oxide functionalized redox mediator involving ferrocene that is integrated with suitable redox enzymes adapted for cholesterol biosensing and sensing other clinical analytes like glucose and uric acid.



No. of Pages : 18 No. of Claims : 17

(21) Application No.564/KOL/2013 A

# (19) INDIA

(22) Date of filing of Application :16/05/2013

(43) Publication Date : 21/11/2014

# (54) Title of the invention : DYNAMICALLY BIASED AMPLIFIER CIRCUIT AND METHODS FOR IMPROVING ITS DYNAMIC RANGE.

(51) International classification	:H03F3/193	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INDIAN INSTITUTE OF TECHNOLOGY,
(32) Priority Date	:NA	KHARAGPUR
(33) Name of priority country	:NA	Address of Applicant :SPONSORED RESEARCH &
(86) International Application No	:NA	INDUSTRIAL CONSULTANCY, INDIAN INSTITUTE OF
Filing Date	:NA	TECHNOLOGY, KHARAGPUR-721302, WEST BENGAL,
(87) International Publication No	: NA	INDIA.
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MAITY, ASHIS
(62) Divisional to Application Number	:NA	2)PATRA, PROF. AMIT
Filing Date	:NA	

(57) Abstract :

A dynamically biased amplifying device comprising main feedback loop having input means comprising transistor pair for receiving input/output voltage and converting into equivalent current and current mirrors, dynamic bias loop for sensing output current and changes in dc-bias current of the amplifier and delta-current generator for generating difference current to equalize the current through the transistors of the input means to minimize the input offset of the amplifier over wide range of load current and forwarding the same to input transistors of the current mirrors.

No. of Pages : 21 No. of Claims : 7

(21) Application No.4858/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :26/11/2011

(43) Publication Date : 21/11/2014

### (54) Title of the invention : ALUMINA-MAGNESIA MATERIAL FOR A GASIFIER

(32) Priority Date :02/06/2009 D'ETUDES EURO	licant :18 avenue d'Alsace, les Miroirs, F- e, France ator :
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(57) Abstract :

The present invention relates to a molten and cast refractory material having a chemical composition, in weight percent on the basis of oxides, of: Al2O3: the remainder up to 100%; MgO: 28% to 50%; CuO: 0.05% to 1.0%; B2O3: 1.0%; SiO2: < 0.5%; Na2O + K2O: < 0.3%; CaO: < 1.0%; Fe2O3 + TiO2: < 0.55%; and other oxide species: < 0.5%.

No. of Pages : 14 No. of Claims : 15

(19) INDIA

(22) Date of filing of Application :13/05/2014

(21) Application No.535/KOL/2014 A

#### (43) Publication Date : 21/11/2014

(51) International classification	:B60J 5/00	(71)Name of Applicant :
(31) Priority Document No	:2013-	1)SUZUKI MOTOR CORPORATION
(51)Thomy Document No	103134	Address of Applicant :300 Takatsuka-cho, Minami-
(32) Priority Date	:15/05/2013	ku,Hamamatsu,Shizuoka,432-8611 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)MOCHIZUKI SHINEI
Filing Date	:NA	2)OISHI KOJI
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (54) Title of the invention : VEHICLE BODY REAR PORTION STRUCTURE

(57) Abstract :

A vehicle body rear portion structure that can obtain high torsional rigidity and vibration performance is provided. The vehicle body rear portion structure of the present invention is configured as a vehicle body rear portion structure 100 that includes a back panel 110 that constitutes a vehicle interior inner face below a back door opening 100a of a vehicle rear portion. The back panel has an upright wall 112 that extends downward from the lower end of the back door opening, and an upper face 114 that extends in the vehicle rearward direction from the upper end of the upright wall, the upright wall is curved so as to be gently inclined increasingly forward as it extends upward, and the vehicle body rear portion structure further includes a tail end member 130 that is attached to the upper face of the back panel from the vehicle rearward side, and forms a closed cross section with the back panel.

No. of Pages : 23 No. of Claims : 7

(21) Application No.580/KOL/2013 A

# (19) INDIA

(22) Date of filing of Application :20/05/2013

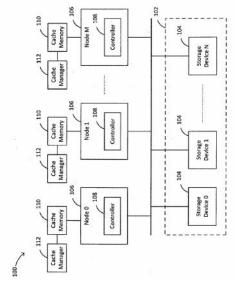
(43) Publication Date : 21/11/2014

# (54) Title of the invention : SYSTEM AND METHOD OF SELECTIVE READ CACHE RETENTION FOR A REBOOTED NODE OF A MULTIPLE-NODE STORAGE CLUSTER

(51) International classification11(31) Priority Document No:N(32) Priority Date:N(33) Name of priority country:N(86) International Application No:NFiling Date:N(87) International Publication No: N(61) Patent of Addition to Application Number:NFiling Date:N(62) Divisional to Application Number:N	G06F(71)Name of Applicant :1/001)LSI CORPORATIONNAAddress of Applicant :1320 RIDDER PARK DRIVE, SANNAJOSE, CALIFORNIA 95131 U.S.A.NA(72)Name of Inventor :NA1)SAMANTA SUMANESHVA2)BISWAS SUJANNA3)SIMIONESCU HORIA CHRISTIANNA4)BERT LUCANA5)ISH MARKNA
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### (57) Abstract :

The disclosure is directed to a system and method for managing READ cache memory of at least one node of a multiple-node storage cluster. According to various embodiments, a cache data and a cache metadata are stored for data transfers between a respective node (hereinafter first node) and regions of a storage cluster. When the first node is disabled, data transfers are tracked between one or more active nodes of the plurality of nodes and cached regions of the storage cluster. When the first node is rebooted, at least a portion of valid cache data is retained based upon the tracked data transfers. Accordingly, local cache memory does not need to be entirety rebuilt each time a respective node is rebooted.



No. of Pages : 21 No. of Claims : 22

(21) Application No.5225/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :28/12/2011

(43) Publication Date : 21/11/2014

## (54) Title of the invention : SECONDARY BATTERY WITH A RAPID CHARGING CAPABILITY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:10 2009 032 050.4 :07/07/2009 :Germany	<ul> <li>(71)Name of Applicant :</li> <li>1)LI-TEC BATTERY GMBH Address of Applicant : Am Wiesengrund 7, 01917 Kamenz, Germany</li> <li>(72)Name of Inventor :</li> </ul>
(87) International Publication No	:22/06/2010 :WO/2011/003513	1)SCHAEFER, Tim 2)GUTSCH Andreas
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to a secondary battery, in particular a lithium-ion secondary battery, which has a rapid charging capability. The secondary battery has at least one electrochemical cell and an electrical charge control system, wherein the electrochemical cell has at least two electrodes and at least one separator, wherein the charge control system is designed to monitor the process of charging the secondary battery such that, at least at times, it allows a relative charging current with a charging current value which, in particular, is at least 1 C, and wherein the separator has a coating which is composed of an ion-conducting material which has at least one inorganic component. The invention furthermore relates, in particular, to a lithium-ion secondary battery, to a charge control system for a secondary battery, to an electrochemical cell for a secondary battery, to an arrangement comprising at least one electrode and a separator for an electrochemical cell such as this, and to a method for carrying out a rapid charging process of a secondary battery.

No. of Pages : 20 No. of Claims : 16

### (19) INDIA

(22) Date of filing of Application :23/11/2011

### (21) Application No.4832/KOLNP/2011 A

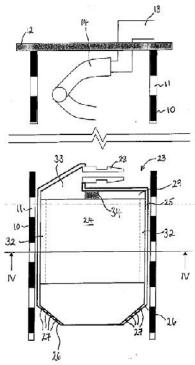
(43) Publication Date : 21/11/2014

### (54) Title of the invention : FLOAT DEVICE

(51) International classification	:B60K 15/077	(71)Name of Applicant :
(31) Priority Document No	:0908969.9	1)FUEL ACTIVE LIMITED
(32) Priority Date	:26/05/2009	Address of Applicant : Unit 3, St Mellons Enterprise Centre,
(33) Name of priority country	:U.K.	31 Crickhowell Road, St Mellons, Cardiff, South Wales CF3
(86) International Application No	:PCT/GB2010/050846	0EX, U.K.
Filing Date	:24/05/2010	(72)Name of Inventor :
(87) International Publication No	:WO/2010/136791	1)JAMES, Michael, John
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.117	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract :

A float device for use in drawing liquids such as fuel from a tank or other reservoir is disclosed. The device comprises a float arranged for rising and falling with the level of liquid in the tank and a liquid pick-up duct, which comprises a flexible tube having its free end coupled to the float. The float is arranged for vertical movement within a filter or other member, which encloses the float and the flexible tube. The filter or other member is elongate and tubular in construction and comprises an open lower end.



No. of Pages : 18 No. of Claims : 30

(21) Application No.4834/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :23/11/2011

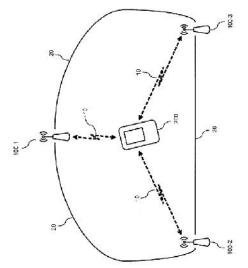
(43) Publication Date : 21/11/2014

# (54) Title of the invention : TECHNIQUES FOR QUANTIZATION ADAPTATION IN COOPERATIVE SIGNAL COMMUNICATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:H04B 7/02 :NA :NA :NA :PCT/EP2009/055155 :28/04/2009 :WO/2010/124726	<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET LM ERICSSON (publ) Address of Applicant :S-164 83 Stockholm, Sweden</li> <li>(72)Name of Inventor :</li> <li>1)HOYMANN, Christian</li> <li>2)FALCONETTI Laetitia</li> <li>3)MEYER Michael</li> </ul>
	:NA	
(86) International Application No	:PCT/EP2009/055155	1)HOYMANN, Christian
Filing Date	:28/04/2009	2)FALCONETTI Laetitia
(87) International Publication No	:WO/2010/124726	3)MEYER Michael
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract :

In cooperative signal communication between a mobile terminal (200) and a plurality of access nodes (100-1, 100-2, 100-3), cooperation signals (20), e.g. received signals or signals to be transmitted, are communicated with the access nodes (100-1, 100-2, 100-3). The cooperation signals (20) are quantized according to a quantization parameter, e.g. quantization depth and/or quantization type, which is adapted on the basis of a cooperative communication parameter. The cooperative communication parameter is a characteristic of the cooperative communication process, e.g. modulation scheme.



No. of Pages : 47 No. of Claims : 22

(21) Application No.4835/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :24/11/2011

(43) Publication Date : 21/11/2014

### (54) Title of the invention : ELECTRODE COIL

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:10 2009 022 678.8 :26/05/2009 :Germany	<ul> <li>(71)Name of Applicant :</li> <li>1)LI-TEC BATTERY GMBH Address of Applicant :Am Wiesengrund 7, 01917 Kamenz, Germany</li> </ul>
(86) International Application No Filing Date	:PCT/EP2010/003173 :25/05/2010	(72)Name of Inventor : 1)SCHAEFER, Tim
(87) International Publication No	:WO/2010/136174	2)GUTSCH Andreas
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The invention relates to an electrode coil (3) having a substantially cylindrical shape, comprising at least: one anodic electrode (5), one cathodic electrode (6), and one separator (4) disposed at least partially between said electrodes (5, 6), characterized in that the separator (4) is produced from a material comprising at least one component made of a ceramic material.

No. of Pages : 28 No. of Claims : 16

(21) Application No.5032/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :14/12/2011

(43) Publication Date : 21/11/2014

### (54) Title of the invention : BATTERY ARRANGEMENT AND METHOD FOR THE PRODUCTION THEREOF

(51) International classification	:H01M 2/20	(71)Name of Applicant :
(31) Priority Document No	:10 2009 025 579.6	1)LI-TEC BATTERY GMBH
(32) Priority Date	:19/06/2009	Address of Applicant : Am Wiesengrund 7, 01917 Kamenz,
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2010/003102	(72)Name of Inventor :
Filing Date	:20/05/2010	1)GUTSCH, Andreas
(87) International Publication No	:WO/2010/145742	2)SCHAEFER Tim
(61) Patent of Addition to Application	:NA	3)HOHENTHANNER Claus-Rupert
Number	:NA :NA	4)FUCHS Andreas
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to a battery arrangement (1) comprising at least one, but particularly a plurality of electrochemical cells (2), the at least one electrochemical cell (2) comprising at least one current conductor (3) extending through a casing (4) of the electrochemical cell (2), characterized in that said at least one current conductor (3) is electrically conductively connected to at least one connecting pin (5).

No. of Pages : 18 No. of Claims : 18

(21) Application No.542/KOL/2014 A

## (19) INDIA

(22) Date of filing of Application :15/05/2014

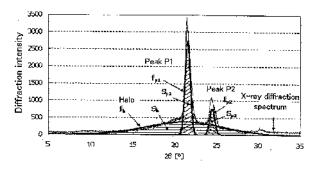
(43) Publication Date : 21/11/2014

# (54) Title of the invention : TONER, DEVELOPER, AND IMAGE FORMING APPARATUS

(51) International classification	:G03G 9/00	(71)Name of Applicant :
(31) Priority Document No	:2013- 102756	1) <b>RICOH COMPANY, LTD.</b> Address of Applicant :3-6, NAKAMAGOME 1-CHOME,
(32) Priority Date	:15/05/2013	OHTA-KU, TOKYO, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NĀ	1)ATSUSHI YAMAMOTO
Filing Date	:NA	2)HIROSHI YAMADA
(87) International Publication No	: NA	3)TAKAMASA HASE
(61) Patent of Addition to Application Number	:NA	4)KOHSUKE NAGATA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract :

To provide a toner for developing an electrostatic image, the toner including toner particles, wherein the toner particles contain: a noncrystalline resin A; and a crystalline resin, wherein the crystalline resin contains a crystalline resin C containing a urethane bond, or a urea bond, or both thereof, and wherein the toner particles each have a sea-island structure, where the resin C is dispersed in the noncrystalline resin on a cross-section of the toner particle.



No. of Pages : 127 No. of Claims : 11

## (19) INDIA

(22) Date of filing of Application :10/12/2012

(21) Application No.3876/KOLNP/2012 A

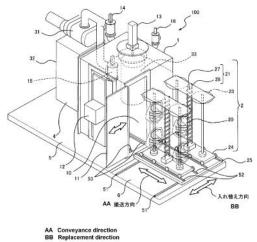
(43) Publication Date : 21/11/2014

(51) International classification	:C23C 14/24	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SHINMAYWA INDUSTRIES, LTD.
(32) Priority Date	:30/08/2011	Address of Applicant :1-1, SHINMEIWA-CHO,
(33) Name of priority country	:Argentina	TAKARAZUKA-SHI, HYOGO 665-8550. Japan
(86) International Application No	:PCT/JP2011/004819	(72)Name of Inventor :
Filing Date	:30/08/2011	1)AMAKU, HAYATO
(87) International Publication No	:WO/2013/030872	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1 1/ 1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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# (54) Title of the invention : VACUUM FILM DEPOSITION SYSTEM

#### (57) Abstract :

A vacuum film deposition system (100) of the present invention is a vacuum film deposition system for depositing a film on a plurality of substrates (20) in a vacuum state, comprising: a plurality of substrate holders (23) for supporting the substrates; a substrate unit (2) which supports and carries the plurality of substrate holders (23); and a vacuum chamber (1) for forming the vacuum state, the vacuum chamber (1) having a carry-in entrance (10) through which the substrate unit (2) is carried into and out of the vacuum chamber (1) and a carry-in entrance door (11) for opening and closing the carry-in entrance (10); wherein the substrate unit (2) supports the plurality of substrate holders (23) such that the substrate holders (23) are arranged in series in a direction in which the plurality of substrate holders (23) are carried with respect to the vacuum chamber (1); and wherein the carry-in entrance (10) is formed to have a dimension corresponding to a dimension of the substrate unit (2). Thus, the vacuum film deposition system (100) can reduce a time required for evacuating a moisture and hence lessen a time required for a film deposition process.



No. of Pages : 27 No. of Claims : 6

(21) Application No.5251/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :30/12/2011

(43) Publication Date : 21/11/2014

### (54) Title of the invention : METHOD FOR PRODUCING AN ELECTROCHEMICAL CELL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:10 2009 032 523.9 :10/07/2009 :Germany	<ul> <li>(71)Name of Applicant :</li> <li>1)LI-TEC BATTERY GMBH Address of Applicant :Am Wiesengrund 7, 01917 Kamenz, Germany</li> <li>(72)Name of Inventor :</li> <li>1)EICHINGER, Guenter</li> </ul>
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(57) Abstract :

Method for producing an electrochemical cell (1), wherein the electrochemical cell (1) comprises at least one electrode stack that is received inside a jacket (2), wherein the jacket (2) is formed by at least two jacket parts (3), wherein each jacket part (3) comprises at least one seam surface (5) with which the jacket parts (3) can be brought at least partially in contact, comprising the following method steps: adding a defined amount of auxiliary sealant (9) at least indirectly to a delimited section (8) of the seam surface (5) of at least one jacket part (3); bringing the seam surface (5) of one of the jacket parts (3) in contact with the seam surface (5) of another jacket part (3); subsequently applying heat to the seam surfaces (5).

No. of Pages : 23 No. of Claims : 9

### (19) INDIA

(22) Date of filing of Application :17/05/2013

(21) Application No.565/KOL/2013 A

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : A METHOD AND SYSTEM FOR DETERMINING A CLASS FOR REFACTORING A SOURCE CODE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	17/00 :NA :NA :NA :NA :NA : NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SIEMENS AKTIENGESELLSCHAFT <ul> <li>Address of Applicant :WITTELSBACHERPLATZ 2 80333</li> </ul> </li> <li>MUNCHEN, GERMANY </li> <li>(72)Name of Inventor : <ul> <li>1)PRAKRIYA VENKATA RAMANA MURTHY</li> <li>2)TUSHAR SHARMA</li> </ul> </li> </ul>
0		2)TUSHAR SHARMA
(61) Patent of Addition to Application Number	:NA :NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract :

A method and a system for determining a class for refactoring a source code The present invention and the embodiments thereof relate to a method and a system (12) for determining a set of quasiclasses from a class (3) representing a portion (2) of a source code (1) for refactoring the source code (1). The class (3) comprises attributes (4) and the associated subroutines (5). The set of quasi-classes is determined based on the cohesive attributes, and the exclusivity of the cohesive attributes based on the subroutines (5) associated thereof.

No. of Pages : 19 No. of Claims : 7

(19) INDIA

(22) Date of filing of Application :18/05/2013

(21) Application No.566/KOL/2013 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : CHITOSAN BASED BIODEGRADABLE MATERIALS FOR BIOMEDICAL APPLICATIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A61L 27/00 :NA :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)INDIAN INSTITUTE OF TECHNOLOGY Address of Applicant :Kharagpur - 721302, West Bengal, India,</li> <li>(72)Name of Inventor :</li> <li>1)Paulomi Ghosh</li> <li>2)Santanu Dhara</li> <li>3)Manisit Das</li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	Shriamsit Das
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract :

This invention relates to a radiopaque biodergradable material for biomedical applications comprising a cross-linking agent cross-linked agent cross-linked to a polymer having amine or amide functionalities.

No. of Pages : 22 No. of Claims : 12

### (21) Application No.5043/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :15/12/2011

(43) Publication Date : 21/11/2014

(54) Title of the invention : DRY POWDE	ER FIBRIN SEALANT	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A61K38 :0909137.2 :28/05/2009 :U.K. :PCT/EP2010/057477 :28/05/2010 :WO/2010/136588	<ul> <li>(71)Name of Applicant :</li> <li>1)PROFIBRIX B.V. Address of Applicant :Zernikedreef 9, 2333 CK Leiden, The Netherlands</li> <li>(72)Name of Inventor :</li> <li>1)MARTYN, Glen Patrick</li> <li>2)KOOPMAN Jacob</li> </ul>
<ul> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA :NA	

(57) Abstract :

A fibrin sealant comprises a mixture of first microparticles that comprise fibrinogen, second microparticles that comprise thrombin, and additive material. The additive material may be particulate, and may be, for instance, a biocompatible, water-absorbent, material, a biocompatible, water-swellable material, a biocompatible, water-insoluble material, a polysaccharide or silica.

No. of Pages : 26 No. of Claims : 14

(21) Application No.4882/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :29/11/2011

(43) Publication Date : 21/11/2014

### (54) Title of the invention : IMPROVED HANDOVER IN A RADIO COMMUNICATION NETWORK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04W 36/08 :NA :NA :NA :PCT/SE2009/050480 :04/05/2009 :WO/2010/128902 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET LM ERICSSON (publ) Address of Applicant :S-164 83 Stockholm, Sweden</li> <li>(72)Name of Inventor :</li> <li>1)PERSSON, Fredrik</li> <li>2)OLOFSSON Håkan</li> </ul>
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(57) Abstract :

The present invention relates to providing a method and a network node that prevents radio bearers from being dropped if a mismatch in RLC Mode exists between source Node and target Node.

No. of Pages : 14 No. of Claims : 6

#### (21) Application No.5091/KOLNP/2011 A

# (19) INDIA

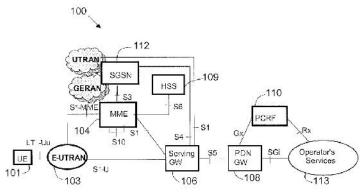
(22) Date of filing of Application :19/12/2011

#### (43) Publication Date : 21/11/2014

<ul> <li>(71)Name of Applicant : <ol> <li>TELEFONAKTIEBOLAGET LM ERICSSON (publ)</li> <li>Address of Applicant :S-164 83 Stockholm, Sweden</li> <li>(72)Name of Inventor : <ol> <li>OLSSON, Lars-Bertil</li> <li>OLSSON Lasse</li> </ol> </li> </ol></li></ul>

(57) Abstract :

A method and system for providing a User Equipment (UE) (101) with a Tracking Area Identity (TAI) list during a Tracking Area Update (TAU) procedure. The TAI is UE specific and is based on a visitation history (305) of the UE (101). If a pre-existing visitation history of the UE does not exist, a TAI is compiled using other UEs featuring at least one operational similarity as the current UE (101).



No. of Pages : 19 No. of Claims : 15

(21) Application No.5092/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :19/12/2011

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD AND DEVICE FOR ADJUSTING POWER AMPLIFIER VOLTAGE AND CONTROLLING TIME SLOTS

(51) International classification	:H03F1	(71)Name of Applicant :
(31) Priority Document No	:200910107491.9	1)HUAWEI TECHNOLOGIES CO., LTD.
(32) Priority Date	:21/05/2009	Address of Applicant :Huawei Administration Building,
(33) Name of priority country	:China	Bantian, Longgang District, Shenzhen, Guangdong 518129,
(86) International Application No	:PCT/CN2010/073034	P.R. China
Filing Date	:21/05/2010	(72)Name of Inventor :
(87) International Publication No	:WO/2010/133178	1)YAO, Guoqiang;
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract :

A method and a device for adjusting a power amplifier voltage and controlling time slot occupancy are provided. A method for adjusting a power amplifier voltage includes: determining, by a base station, a power amplifier voltage in a statistical time period according to carrier power control information and a relation between a power amplifier output power and a power amplifier efficiency; selecting a power amplifier voltage in the previous statistical time period of the statistical time period of the current time point as a target power amplifier voltage; and adjusting a power amplifier voltage at the current time point according to the target power amplifier voltage. A power amplifier of a multi-carrier module works in a linear amplification area in the statistical time period. Through the method, dynamic adjustment of a power amplifier voltage and dynamic time slot control may be realized for the multi-carrier module.

No. of Pages : 41 No. of Claims : 20

(21) Application No.559/KOL/2013 A

## (19) INDIA

(22) Date of filing of Application :16/05/2013

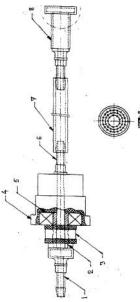
(43) Publication Date : 21/11/2014

# (54) Title of the invention : 'A DEVICE AND A METHOD FOR PURGING INERT GAS INSIDE WELDABLE TUBES TO ELIMINATE ROOT OXIDIZATION OF WELD METAL'

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	65/00 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BHARAT HEAVY ELECTRICALS LIMITED Address of Applicant :REGION CAL OPERATIONS DIVISION(ROD) PLOT NO:9/1, DJ BLOCK 3RD FLOOR KARUNAMOYEE, SALTLAKE CITY, KOLKATA-700091 HAVING ITS REGISTERED OFFICE AT BHEL HOUSE SIRI</li> </ul>
Filing Date	:NA	FORT, NEW DELHI - 110049, INDIA.
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA	(72)Name of Inventor : 1)RAMASAMY MAHENDRAVEL
Filing Date	:NA	2)NATARAJAN MAMUNDI
(62) Divisional to Application Number	:NA	3)LAKAVATH PRAVEEN KUMAR
Filing Date	:NA	4) JEROME ANTHONY RICHARDS XAVIER

### (57) Abstract :

The invention relates to a device for purging inert gas into rotating tubes during a process of gas - shielded butt welding of the tubes to eliminate root oxidization of weld metal and the adjacent regions comprising a purging gas spray distribution (8) located adjacent the weldable joint; a purging gas hose (7) attached to the distributor (8) and axially extending backwardly through the inner diameter upto the tube inlet; an outlet hose connector nipple (6) having a first end and a second end, the first end of the nipple (6) connected to the distal end of the purging hose (7), and the second end of the nipple (6) connected to a stepped Teflon adaptor (4) which is sealingly connected to the tube inlet; and a bearing (5) with a bearing adaptor (3) and a bearing nipple (2) disposed inside the Teflon adaptor (4) to allow supply of purging gas from a gas source to the bearing nipple (2) through an inlet hose connector nipple (1) brazed to the bearing adaptor (3), wherein the gas spray distributor (8) regulating the gas flow in all directions of the weldable joint to eliminate root oxidization.



No. of Pages : 11 No. of Claims : 3

The Patent Office Journal 21/11/2014

(21) Application No.4074/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :30/09/2011

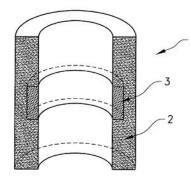
(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD FOR MANUFACTURING A POWDER BASED ARTICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:B22F 3/15 :09157166.1 :02/04/2009 :EPO :PCT/SE2010/050361 :31/03/2010 :WO/2010/114474 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)SANDVIK INTELLECTUAL PROPERTY AB Address of Applicant :S-811 81Sandviken, Sweden</li> <li>(72)Name of Inventor :</li> <li>1)BERGLUND, Thomas</li> </ul>
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract :

A method for manufacturing a powder based article comprising one portion of a first material and at least one portion of a second material comprising the steps of: - arranging at least a first body comprising a powder of the second material and a gasifiable material in a selected portion or selected portions in a capsule defining the shape of the article, wherein the powder of the second material is held by the gasifiable material; - filling the capsule with a powder of the first material; - removing the gasifiable material; - sealing the capsule; - heating the capsule under increased pressure to a temperature at which the powders of the first and second materials densifies to a compact article.



No. of Pages : 30 No. of Claims : 18

(21) Application No.5023/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :13/12/2011

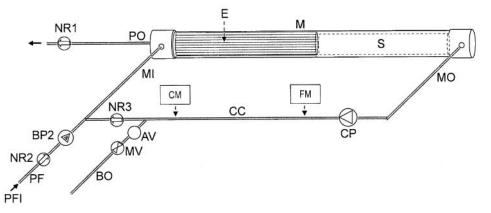
(43) Publication Date : 21/11/2014

# (54) Title of the invention : CLOSED CIRCUIT DESALINATION RETROFIT FOR IMPROVED PERFORMANCE OF COMMON REVERSE OSMOSIS SYSTEMS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:C02F 1/44 :199700 :05/07/2009 :Israel :PCT/IL2010/000537 :05/07/2010 :WO/2011/004364	<ul> <li>(71)Name of Applicant :</li> <li>1)DESALITECH LTD. Address of Applicant :4 Mevo Shaked Street, P.O. Box 132, 90836 Har Adar, Israel</li> <li>(72)Name of Inventor :</li> <li>1)EFRATY, Avi</li> </ul>
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

### (57) Abstract :

The retrofit technology utilizes pressurized brine of convention RO to feed a Closed Circuit Desalination (CCD) unit; wherein, further desalination takes place to a desired recovery level. The application exemplified in Fig. 4 is of a retrofit unit comprising a Booster Pump (BP2) for raising pressure of inlet feed; a Circulation Pump (CP) for creating cross flow over membranes (E) in the pressure vessel (M), thereby enable efficient RO desalination; an Actuated Valve (AV) in line with a partially open Manual Valve (MV) to enable periodic replacement of high salinity concentrates with fresh feed without stopping desalination; No Return (NR) valve means to control the direction of flow in the system; and monitoring means such as of electric conductivity (CM) and flow (FM). Periodic replacement of high salinity concentrates by fresh feed initiated at desired high system electric conductivity and terminated at a desired low system electric conductivity, while desalination continued.



No. of Pages : 19 No. of Claims : 7

#### (21) Application No.4344/KOLNP/2011 A

# (19) INDIA

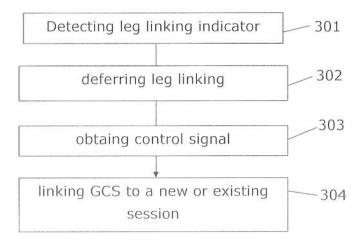
(22) Date of filing of Application :20/10/2011

#### (43) Publication Date : 21/11/2014

(54) Title of the invention : DEFERRED	LEG LINKING	
<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:H04W 36/00 :61/162,419 :23/03/2009 :U.S.A. :PCT/EP2010/052808 :05/03/2010 :WO/2010/108770 :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET LM ERICSSON (publ) Address of Applicant :S-164 83 Stockholm, Sweden</li> <li>(72)Name of Inventor :</li> <li>1)ROMMER, Stefan</li> <li>2)FERNANDEZ ALONSO Susana</li> <li>3)LÖVSÉN LARS Gunnar</li> </ul>

# (57) Abstract :

The present invention relates to a solution for handling deferred leg linking in policy and charging rules function in a telecommunications network in relation to handover between two different access technologies. The solution is provided as a nodes, system and a method for handling handover of a user equipment, i.e. UE, (101) in a telecommunications network (100) from one access technology to another access technology, comprising the steps of detecting (203) in a target access gateway, i.e. AGW, (102) that a handover state of the UE is unknown, sending (204) from the target access gateway a gateway control session, i.e. GCS, establishment message to a policy and charging rules function node (105), wherein the message comprise an indication that leg linking of a session is to be deferred until reception of corresponding control signalling from a packet data network gateway (104).



No. of Pages : 21 No. of Claims : 13

(19) INDIA

(22) Date of filing of Application :04/11/2011

(21) Application No.4528/KOLNP/2011 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : PORTABLE ASSEMBLY-TYPE FLAT BENCH

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:12/03/2010 :WO/2010/117144 :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)JUNG, Jae-Weon Address of Applicant :303-1002, Byuksan-town 3 danji Apt. Jookjeon-dong, 941, Sooji-gu, Yong-in City, Gyeonggi-do 448- 160, Republic of Korea</li> <li>(72)Name of Inventor :</li> <li>1)JEONG, Eun-Ji</li> </ul>
Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a portable assembly type flat bench, and more particularly, to a portable assembly type flat bench in which a plurality of supports are spaced apart from each other by an equal spacing in the front and rear directions and left and right directions, and interconnected through a connection panel, to thereby reduce the volume of the bench and to thus enable easy carrying and storage, and easy assembly and disassembly, and to enable the size of the bench to be freely adjusted. The portable assembly type flat bench of the present invention is configured such that a plurality of supports 1 are spaced apart from each other in the front and rear directions and left and right directions, the supports 1 are interconnected through a connection panel 3, each of the supports 1 has a base 11 with support legs 12 integrally formed beneath the base 11, the support legs 12 are gradually opened outward from the base 11, the base 11 of the support 1 has a top on which a support panel 2 is arranged, two adjacent supports 1 are interconnected by the connected panel 3, and another connection panel 3 is connected to the empty space of the flat bench thus-assembled by connection panels 3.

No. of Pages : 22 No. of Claims : 7

(21) Application No.4924/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :06/12/2011

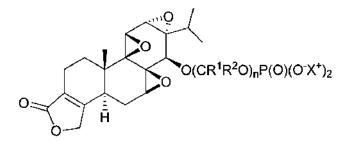
### (43) Publication Date : 21/11/2014

(54) Title of the invention : TRIPTOLIDE PRODRUGS		
<ul> <li>(51) International classification</li> <li>(31) Priority Do ument No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International App ication No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number <ul> <li>Filing Date</li> </ul> </li> </ul>	:61/176,249 :07/05/2009 :U.S.A.	<ul> <li>(71)Name of Applicant :</li> <li>1)REGENTS OF THE UNIVERSITY OF MINNESOTA Address of Applicant :1000 Westgate Drive, Suite 160, Saint Paul, Minnesota 55114-8658, United States of America; U.S.A.</li> <li>(72)Name of Inventor :</li> <li>1)GEORG, Ingrid Gunda</li> <li>2)PATIL Satish Prakash</li> <li>3)SALUJA Ashok K.</li> <li>4)CHUG Rohit</li> <li>5)VICKERS Selwyn M.</li> </ul>

(57) Abstract :

The invention provides compounds of formula I: or a salt thereof. The invention also provides pharmaceutical compositions comprising a compound of formula I, processes for preparing compounds of formula I, intermediates useful for preparing compounds of formula I and therapeutic methods using the compounds of formula I.

**(I)** 



No. of Pages : 39 No. of Claims : 31

(21) Application No.895/KOLNP/2012 A

# (19) INDIA

(22) Date of filing of Application :16/04/2012

(43) Publication Date : 21/11/2014

# (54) Title of the invention : METHOD FOR RETROFITTING A FOSSIL-FUELED POWER STATION WITH A CARBON DIOXIDE SEPARATION DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:F01K23/10 :10 2009 051 646.8 :02/11/2009 :Germany :PCT/EP2010/066623 :02/11/2010	<ul> <li>(71)Name of Applicant :</li> <li>1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant :WITTELSBACHERPLATZ 2 80333 </li> <li>MÜNCHEN GERMANY  (72)Name of Inventor : 1)GRUMANN, ULRICH</li></ul>
<ul> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:WO 2011/051494 :NA :NA :NA :NA	2)MUCH, ULRICH 3)ROST, MIKE 4)PICKARD, ANDREAS

### (57) Abstract :

The invention relates to a method for retrofitting a fossil-fueled power station (1) having a multiple-casing steam turbine (2) with a carbon dioxide separation device (5), in which the maximum flow rate of the steam turbine (2) is adjusted to the process steam (17) that is to be removed for the operation of the carbon dioxide separation device (5), the carbon dioxide separation device (5) is connected to an intermediate superheater line (33) via a process steam line (6), and an auxiliary condenser (32) is mounted in parallel to the carbon dioxide separation device (3) so that excess process steam (17) is condensed in the auxiliary condenser (32) in the event of failure or a deliberate shut-off of the carbon dioxide separation device (3).

No. of Pages : 15 No. of Claims : 8

(21) Application No.4545/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :04/11/2011

(43) Publication Date : 21/11/2014

# (54) Title of the invention : DERIVATIVES OF N-ACYL-N'-PHENYLPIPERAZINE USEFUL (INTER ALIA) FOR THE PROPHYLAXIS OR TREATMENT OF DIABETES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:16/04/2010 :WO 2010/119992	<ul> <li>(71)Name of Applicant :</li> <li>1)TAKEDA PHARMACEUTICAL COMPANY LIMITED Address of Applicant :1-1, DOSHOMACHI 4-CHOME,</li> <li>CHUO-KU, OSAKA-SHI, OSAKA 541-0045, JAPAN</li> <li>(72)Name of Inventor :</li> <li>1)KASAI, SHIZUO</li> <li>2)MCGEE, JR., KEVIN FRANCIS</li> </ul>
(86) International Application No	:PCT/JP2010/057201	(72)Name of Inventor :
Filing Date	:16/04/2010	1)KASAI, SHIZUO
	:WO 2010/119992	2)MCGEE, JR., KEVIN FRANCIS
	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a compound represented by the formula wherein each symbol is as defined in the present specification, which has a superior RBP4-lowering action and is useful as a pharmaceutical composition for the prophylaxis or treatment of a disease or condition mediated by an increase in RBP4.

No. of Pages : 409 No. of Claims : 19

(19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 21/11/2014

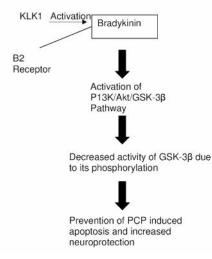
(21) Application No.4740/KOLNP/2011 A

## (54) Title of the invention : TISSUE KALLIKREIN FOR THE TREATMENT OF SCHIZOPHRENIA AND BIPOLAR DISORDER

(51) International classification	:A61K 38/48	(71)Name of Applicant :
<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:61/171,189 :21/04/2009	1)SANOMUNE INC. Address of Applicant :200-135 Innovation Drive, Winnipeg,
(32) Name of priority country	:U.S.A.	Manitoba, R3T 6A8, Canada
(86) International Application No	:PCT/CA2010/000561	(72)Name of Inventor :
Filing Date	:21/04/2010	1)WILLIAMS, Mark
(87) International Publication No	:WO/2010/121358	2)CHARLES Matthew
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract :

The invention includes methods of treating psychiatric disorders including schizophrenia, associated conditions of the schizophrenic spectrum and bipolar disorder, comprising administering tissue kallikrein (KLK1), variants or active fragments thereof. The invention also includes compositions comprising KLK1, variants, or active fragments thereof.



No. of Pages : 34 No. of Claims : 15

### (19) INDIA

(22) Date of filing of Application :16/11/2011

(43) Publication Date : 21/11/2014

### (54) Title of the invention : A CABLE SYSTEM WITH SELECTIVE DEVICE ACTIVATION FOR A VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:H04L 12/12 :S2009/0318 :22/04/2009 :Ireland :PCT/EP2010/055398 :22/04/2010 :WO/2010/122128 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)REILLY, Patrick Address of Applicant :Drumbarlum, Belturbet, County Cavan, Ireland</li> <li>(72)Name of Inventor :</li> <li>1)REILLY, Patrick</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention relates to a cable system (100) for a vehicle, the cable system (100) being suitable for providing an operative link between a plurality of devices (110) in the vehicle and their associated activation switches (112), which associated activation switches (112) are spaced apart from the devices (110), the cable system (100) comprising a wiring loom (108) comprising a single signal wire (204); for each device, a receiver assembly (104) connectable to the device and a transmitter assembly (102) connectable to the device's associated activation switch, wherein the clock pulses and signal pulses are of substantially equal amplitude. The invention further relates to a method on controlling devices within a vehicle and transmitter and received assemblies. The invention provides a convenient, efficient and cost-effective manner of controlling devices within a vehicle.

No. of Pages : 29 No. of Claims : 19

(21) Application No.4741/KOLNP/2011 A

(19) INDIA

(22) Date of filing of Application :14/05/2013

(21) Application No.550/KOL/2013 A

(43) Publication Date : 21/11/2014

# (54) Title of the invention : PADDLE OPERATED CHARKHA FOR SPINNING COTTON AND SILK YARN

	:D01F	(71)Name of Applicant :
(51) International classification	2/00	1)INDIAN INSTITUTE OF TECHNOLOGY
(31) Priority Document No	:NA	Address of Applicant :KHARAGPUR-721302, INDIA West
(32) Priority Date	:NA	Bengal India
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1)PROF. P.B.S. BHADORIA AGRICULTURAL & FOOD
Filing Date	:NA	ENGINEERING DEPARTMENT
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present invention relates to a treadle operated charkha for spinning cotton and silk yarn. The charkha (C) comprises of a frame (4) for holding a spinning arrangement (6) for spinning cotton and silk yarn, a V-shaped angular treadle (1) fixed to the frame (4), a crank connected to a connector (7) fixed with the treadle (1) at one end and a flywheel (3) connected by bolt (8) at the other end. The motion resulted from the force exerted on the treadle (1) is transferred to the flywheel (3) which in turn drives a driving shaft (5) of the charkha when the uniform rotational speed reduces breakage of thread when the outer surface of the modified spindle pulley is roughened to reduce the slippage of belt and thus reduces the breakage of yarn.

No. of Pages : 11 No. of Claims : 4

(21) Application No.2303/KOLNP/2012 A

# (19) INDIA

(22) Date of filing of Application :21/08/2012

(43) Publication Date : 21/11/2014

# (54) Title of the invention : MAGNETIC POWDER METALLURGY MATERIALS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:29/03/2011	<ul> <li>(71)Name of Applicant :</li> <li>1)HOEGANAES CORPORATION <ul> <li>Address of Applicant :1001 Taylors Lane, Cinnaminson, NJ</li> <li>08077, U.S.A.</li> </ul> </li> <li>(72)Name of Inventor : <ul> <li>1)NARASIMHAN, Kalathur, S.</li> <li>2)HANEJKO, Francis, G.</li> </ul> </li> </ul>
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

The present invention is directed to electrically conductive compacted metal parts fabricated using powder metallurgy methods. The iron-based powders of the invention are coated with magnetic or pre-magnetic materials.

No. of Pages : 14 No. of Claims : 31

(21) Application No.2407/KOLNP/2012 A

# (19) INDIA

(22) Date of filing of Application :27/08/2012

(43) Publication Date : 21/11/2014

### (54) Title of the invention : NOVEL MATTING AGENTS FOR UV OVERPRINT VARNISHES

(51) International classification	:C09D11/00	(71)Name of Applicant :
(31) Priority Document No	:10 2010 029 945.6	1)EVONIK DEGUSSA GMBH
(32) Priority Date	:10/06/2010	Address of Applicant :Rellinghauser Stra e 1-11, 45128
(33) Name of priority country	:Germany	Essen, GERMANY
(86) International Application No	:PCT/EP2011/056694	(72)Name of Inventor :
Filing Date	:28/04/2011	1)LINDNER, Gottlieb
(87) International Publication No	:WO 2011/154192	2)MEIER, Karl
(61) Patent of Addition to Application	:NA	3)SCHILLING, Christof
Number	:NA	4)CHRISTIAN, Hans Dieter
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention relates to matted UV overprint varnishes comprising silicon dioxides, the surface of which has been modified by means of treatment with an organopolysiloxane containing multiple bonds so as to be particularly well suited for use as matting agents for UV varnishes and printing inks. The invention also relates to a method for producing said varnishes.

No. of Pages : 48 No. of Claims : 25

(21) Application No.4261/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :14/10/2011

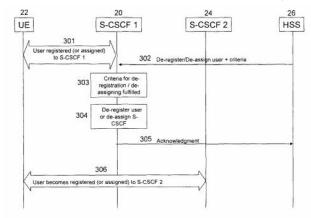
(43) Publication Date : 21/11/2014

### (54) Title of the invention : REALLOCATION OF SERVING PROXY FUNCTION IN IMS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:H04L 29/06 :NA :NA :NA :PCT/EP2009/002033 :19/03/2009 :WO/2010/105643 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET LM ERICSSON (publ) Address of Applicant :S-164 83 Stockholm, Sweden</li> <li>(72)Name of Inventor :</li> <li>1)LINDHOLM, Fredrik</li> <li>2)PRZYBYSZ Hubert</li> </ul>
Filing Date	:NA	

## (57) Abstract :

The invention relates to a method of changing allocation of Serving-Call Session Control Functions (S-CSCFs) to a user of an IMS network. The user is being provided with services via a first S-CSCF allocated to the user. The method includes implementing a reallocation instruction at the first S-CSCF. The reallocation instruction includes criteria for de-allocation of the user from the first S-CSCF. The S-CSCF determines if the criteria are met; and if the criteria are met, de-allocates the user.



No. of Pages : 19 No. of Claims : 16

(21) Application No.4842/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :24/11/2011

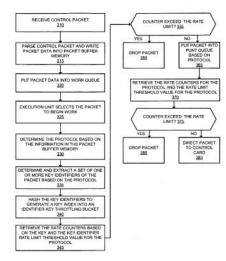
(43) Publication Date : 21/11/2014

## (54) Title of the invention : HIERARCHICAL RATE LIMITING OF CONTROL PACKETS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(2) Distributed to the distributed</li> </ul>	:H04L 12/56 :12/432,383 :29/04/2009 :U.S.A. :PCT/IB2010/000975 :29/04/2010 :WO/2010/125447 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)TELEFONAKTIEBOLAGET LM ERICSSON (publ) Address of Applicant :S-164 83 Stockholm, Sweden</li> <li>(72)Name of Inventor :</li> <li>1)GUPTA, Anubhav</li> <li>2)DESIGAN Arunkumar M.</li> <li>3)SHARMA Arun</li> <li>4)SRINIVASAN Mukund</li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract :

Line cards receive control packets and perform a hierarchical rate limiting on those control packets. A set of identifier keys are extracted from the control packets and the protocol of those control packets are determined. At a first level, the control packets are rate limited per unique set of identifier keys per protocol. Those packets which fail the first rate limiting level are dropped. Those packets which pass the first rate limiting level are rate limited at a second level per protocol type. Those packets which fail the second level rate limiting are dropped while those packets which pass the second level rate limiting are sent to the control card for further processing.



No. of Pages : 40 No. of Claims : 20

### (19) INDIA

### (22) Date of filing of Application :20/05/2013

### (21) Application No.577/KOL/2013 A

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : A DEVICE IN A DAMPER ASSEMBLY FOR ISOLATION OF BOILER EQUIPMENTS DURING ON-LINE MAINTENANCE

(57) Abstract :

The invention relates to a device in a damper assembly for isolation of boiler equipments during on-line maintenance, comprising : a gland plate formed of a first material; a follower plate formed of identical material and shaped corresponding to that of the gland plate, the follower plate being disposed spaced apart from the gland plate; the gland plate is provided with one each threaded holes opposedly constructed and matching with through holes configured on the follower plate; at least two high strength hexagonal screws one each being inserted into each of said two through holes and extending to pass via the threaded holes, wherein one each spring washer and lock nut reliably holding the screw end on the threaded holes of the gland plate.

No. of Pages : 7 No. of Claims : 2

(21) Application No.1242/KOLNP/2011 A

# (19) INDIA

(22) Date of filing of Application :23/03/2011

(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD FOR PRODUCING AND PURIFYING TRIFLUOROMETHANESULFINIC ACID

:C07C 303/42 :08165699.3 :02/10/2008 :EUROPEAN UNION :PCT/EP2009/062484 :28/09/2009 :WO/2010/037693 :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BASF SE Address of Applicant :67056 LUDWIGSHAFEN GERMANY</li> <li>(72)Name of Inventor :</li> <li>1)SUKOPP, MARTIN</li> <li>2)KORTE, ALEXANDER</li> <li>3)FÜLSTER, STEFAN</li> <li>4)KEIL, MICHAEL</li> <li>5)RACK, MICHAEL</li> </ul>
:NA :NA	
	:08165699.3 :02/10/2008 :EUROPEAN UNION :PCT/EP2009/062484 :28/09/2009 :WO/2010/037693 :NA :NA :NA

(57) Abstract :

The invention relates to a process for purifying trifluoromethanesulfinic acid by azeotropic distillation with an aromatic solvent, to processes for preparing purified trifluoromethanesulfinic acid and to the use of the purified trifluoromethanesulfinic acid for preparing trifluoromethylsulfinylated pyrazole derivatives, especially fipronil.

No. of Pages : 13 No. of Claims : 10

(19) INDIA

(22) Date of filing of Application :13/10/2011

(21) Application No.4224/KOLNP/2011 A

(43) Publication Date : 21/11/2014

(54) Title of the invention : ASEPTIC COUPLING DEVICES (51) International classification :F16L 37/34 (71)Name of Applicant : 1)COLDER PRODUCTS COMPANY (31) Priority Document No :61/160,603 Address of Applicant :1001 Westgate Drive, St. Paul, (32) Priority Date :16/03/2009 Minnesota 55114, U.S.A. (33) Name of priority country :U.S.A. (72)Name of Inventor : (86) International Application No :PCT/US2010/027311 1)WILLIAMS, Randall, Scott Filing Date :15/03/2010 (87) International Publication No :WO/2010/107695 2)GERST Patrick Thomas (61) Patent of Addition to Application **3)NICHOLS Jeremy Henry** :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

Formation of a sterile connection includes inserting a first aseptic coupling device into a second aseptic coupling device, removing a first membrane from the first aseptic coupling device and a second membrane from the second aseptic coupling device, and rotating a locking clip on the first aseptic coupling device to compress a first seal member of the first aseptic coupling device with a second seal member of the second aseptic coupling device to form a sterile fluid passageway.

No. of Pages : 51 No. of Claims : 20

(21) Application No.568/KOL/2013 A

#### (19) INDIA

(22) Date of filing of Application :20/05/2013

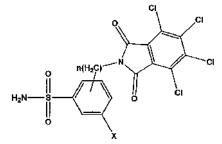
(43) Publication Date : 21/11/2014

#### (54) Title of the invention : 4,5,6,7-TETRACHLORO-1,3-DIOXOISOINDOLIN-2-YL BENZENESULFONAMIDE DERIVATIVES

(51) International classification		(71)Name of Applicant :
(31) International elassification	409/00	1)KALYAN KUMAR SETHI
(31) Priority Document No	:NA	Address of Applicant : DEPARTMENT OF
(32) Priority Date	:NA	PHARMACEUTICAL SCIENCES BIRLA INSTITUTE OF
(33) Name of priority country	:NA	TECHNOLOGY MESRA RANCHI, PIN-835215 Jharkhand India
(86) International Application No	:NA	2)SAURABH MANASWITA VERMA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)KALYAN KUMAR SETHI
(61) Patent of Addition to Application Number	:NA	2)SAURABH MANASWITA VERMA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Compounds of the formula: 4,5,6,7-tetrachloro-1,3-dioxoisoindolin-2-yl benzenesulfonamide derivatives Where in n= 0 (KKSCl-1, KKSCl-4, KKSCl-5, KKSCl-6, KKSCl-7, KKSCl-8); 1 (KKSCl-3); 2 (KKSCl-2) X= H (KKSCl-1, KKSCl-2, KKSCl-3, KKSCl-4, KKSCl-5), F (KKSCl-6), Cl (KKSCl-7), Br (KKSCl-8) -(CH2)n- =4th position (KKSCl-1, KKSCl-2, KKSCl-3, KKSCl-6, KKSCl-7, KKSCl-8); 3rd position (KKSCl-4); 2nd position (KKSCl-5) A series of eight 4,5,6,7-tetrachloro-1,3-dioxoisoindolin-2-yl benzenesulfonamide derivatives was synthesized by condensation of benzene sulfonamides incorporating 4,5,6,7- tetrachloro isobenzofuran-1,3-dione moiety and are reported as inhibitors of the metalloenzyme carbonic anhydrase (CA, EC 4.2.1.1). Some of these compounds showed very good in vitro human carbonic anhydrase (hCA) isozymes I, II and VII inhibitory properties, with affinities for the enzymes in the very low nanomolar range for the best inhibitors in comparison to acetazolamide (AZM). Compound KKSCl-7 showed very good inhibition activities on hCA I (Ki=159 nM) then standard acetazolamide (Ki=250 nM). Inhibition activities on hCA II compounds KKSCl-1, 2, 3, 6, 7, 8 shown very good inhibition in nM concentration then standard acetazolamide (Ki=12 nM). Compounds KKSCl-2, 3, 4, 7 also shown very near inhibition activities on CA VII in nM concentration then standard acetazolamide (Ki=2.5 nM) but compounds KKSCl-2, 3, 4, 7 also shown very near inhibition activities on CA VII in nM concentration the development of conceptually novel antiglucoma, antiepileptic, treatment of edema, altitude sickness and anticancer drugs.



No. of Pages : 13 No. of Claims : 3

(21) Application No.2578/KOLNP/2012 A

#### (19) INDIA

(22) Date of filing of Application :10/09/2012

(54) Title of the invention : A BLAST PROTECTED UNIT AND SYSTEM

(43) Publication Date : 21/11/2014

#### (51) International classification :E04H9/10 (71)Name of Applicant : (31) Priority Document No :61/304,586 **1)GLOBAL OWL LIMITED** (32) Priority Date :15/02/2010 Address of Applicant :Suite 2, Gibraltar Heights, 215 Main (33) Name of priority country :U.S.A. Street, Gibraltar :PCT/GB2011/000177 (72)Name of Inventor : (86) International Application No 1)LECARPENTIER, Philippe Filing Date :10/02/2011 (87) International Publication No :WO/2011/098764 2)EYTAN Alex (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract :

A blast protected unit (100) for blast protection comprises: a protecting panel (14) having a first side (7) and a second side (8); a subframe (16) adapted to circumscribe said protecting panel (14); and a plurality of energy absorption units (30). The absorption units (30) are adapted to connect the sub-frame (16) to the protecting panel (14). Each of the energy absorption units (30) is connectable to the protecting panel (14) and the sub-frame (16), such that the aforementioned blast protected unit (100) is formed. The energy absorption units (30) are configured to deform under a blast force applied against the first side (7) of the protecting panel (14), allowing the protecting panel (14) to move away from and remain in proximity to the sub-frame (16). The blast protected unit (100) is adapted to be connected to a building structure, such that a protection from blasts is provided to the internal portion of said building structure, the internal portion being located at the second side (8) of the protecting panel (14).

No. of Pages : 95 No. of Claims : 177

(21) Application No.4371/KOLNP/2011 A

#### (19) INDIA

(22) Date of filing of Application :24/10/2011

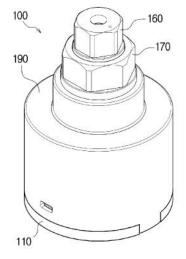
(54) Title of the invention : VALVE CARTRIDGE FOR A WATER SUPPLY

(43) Publication Date : 21/11/2014

#### (51) International classification :G05D 23/13 (71)Name of Applicant : (31) Priority Document No :10-2009-0026980 1)KIM, Jong Koo (32) Priority Date :30/03/2009 Address of Applicant :6dong-5001ho, Songdo The Sharp First (33) Name of priority country :Republic of Korea World APT, 4-1bunji(34/5), Songdo-dong, Yeonsu-gu, Incheon :PCT/KR2010/001499 406-743, Republic of Korea (86) International Application No (72)Name of Inventor : Filing Date :10/03/2010 1)KIM, Jong Koo (87) International Publication No :WO/2010/114234 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract :

The present invention relates to a valve cartridge for water supply. The present invention provides a valve cartridge for water supply for adjusting the flow rate and temperature of cold/hot water being supplied, in which a shower water path or a direct water path is set in accordance with the left and right rotating direction of a flow/path adjustment member, and the water flow rate is adjusted in accordance with the degree of rotation of the flow/path adjustment member such that water is discharged to the direction of the inflow of water. The present invention adjusts the water flow rate, and selects a direct water supply mode and a shower water supply mode or adjusts the water flow rate after selecting any mode, via the operation of the single flow/path adjustment member, thus providing a variety of functions via the simple configuration and operation thereof. In addition, the present invention enables a user to adjust the water flow rate (open/shut) when the user has recognized whether the mode is the direct water supply mode or the shower water supply mode, to thereby protect the user from being doused with water discharged through a shower, which otherwise might occur when the user mistakes the shower water supply mode for the direct water supply mode. Further, as the present invention performs a water inflow process and a water outflow process in one direction of the valve cartridge, the connection structure of the valve cartridge to a direct water supply port and the shower can be simplified.



No. of Pages : 40 No. of Claims : 11

(21) Application No.554/KOL/2013 A

#### (19) INDIA

#### (22) Date of filing of Application :15/05/2013

#### (43) Publication Date : 21/11/2014

# (54) Title of the invention : ARRANGEMENT OF VALVES AND CAMS NEWLY DESIGNED AND MANUFACTURED FOR IMPROVING THE VALVE LIFT FOR REGULATION OF STEAM FLOW TO HP CYLINDER OF 200/210 MW STEAM TURBINE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	17/00 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)BHARAT HEAVY ELECTRICALS LIMITED Address of Applicant :REGIONAL OPERATIONS</li> <li>DIVISION(ROD), PLOT NO:9/1, DJ BLOCK 3RD FLOOR,</li> <li>KARUNAMOYEE,SALTLAKE CITY, KOLKATA-700091,</li> <li>HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI</li> <li>FORT, NEW DELHI - 110049, INDIA.</li> </ul>
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)SHIVAM SARAN
Filing Date	:NA	2)RAKESH CHANDRA AGARWAL
(62) Divisional to Application Number	:NA	3)KAMALJIT SINGH SAHOTA,
Filing Date	:NA	

(57) Abstract :

The invention relates to an arrangement of valves and cams for controlling the valve number 2, 3, 4 of HP cylinder of a 200/210 MW Steam turbine for regulation of steam flow through the turbine. Cams (7, 8, 9) are designed and manufactured with suitable contour to achieve the required valve lift for governing the steam flow. A new cam arrangement to obtain the correct sequence of opening of valves and their angle of opening relative to each other, is arranged when valve no. 2(12) and valve no. 4(14) are interchanged. Two levers to transmit the roller movement to the valve spindle is implemented. Valve lift is calculated based on the roller lift and lever ratio to form the basis for valve lifts at different intervals of Camshaft rotation when simulation is done to get the points of trajectory of the roller over the cam with an interval of 5,° of Camshaft rotation and to obtain the complete contour of Cam for the referred lift.

No. of Pages : 13 No. of Claims : 2

(21) Application No.1959/KOLNP/2012 A

### (19) INDIA

(22) Date of filing of Application :30/07/2012

(43) Publication Date : 21/11/2014

# (54) Title of the invention : MODULATION OF SOLUBILITY, STABILITY, ABSORPTION, METABOLISM, AND PHARMACOKINETIC PROFILE OF LIPOPHILIC DRUGS BY STEROLS

<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application</li></ul>	:A61K9/48,A61K9/20,A61K9/22 :61/291,769 :31/12/2009 :U.S.A. :PCT/US2010/062649	1)DIFFERENTIAL DRUG DEVELOPMENT ASSOCIATES, LLC Address of Applicant :101 Guymon Court, Morrisville, NC 27560 U.S.A.
No Filing Date	:31/12/2010	2)SOV THERAPEUTICS (72)Name of Inventor :
(87) International Publication No.	p:WO 2011/082384	1)DHINGRA, Om
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :

A formulation for drug delivery providing enhanced modulation of solubility stability absorption metabolism and/or pharmacokinetic profile of a lipophilic therapeutic agent by formulation with sterols and/or sterol esters resulting in higher bioavailability of a therapeutic agent administered to a subject in need of such therapeutic agent. The formulation contains a therapeutic agent and a sterol or sterol ester and can optionally further contain a solubilizer and/or an enhancing agent. Also described are pharmaceutical compositions containing the formulations and methods of making and methods of using the formulations and pharmaceutical compositions. Formulations of the disclosure can be constituted to minimize the synthesis of dihydrotestosterone when the therapeutic agent includes testosterone or testosterone esters.

No. of Pages : 90 No. of Claims : 31

(21) Application No.3967/KOLNP/2011 A

#### (19) INDIA

(22) Date of filing of Application :23/09/2011

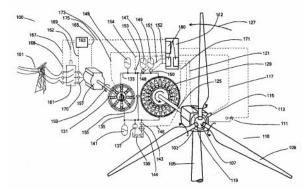
(43) Publication Date : 21/11/2014

## (54) Title of the invention : METHOD AND APPARATUS FOR EXTRACTING ENERGY FROM A FLUCTUATING ENERGY FLOW FROM A RENEWABLE ENERGY SOURCE

(51) International classification	:F03D 9/00	(71)Name of Applicant :
(31) Priority Document No	:1009013.2	1)ARTEMIS INTELLIGENT POWER LIMITED
(32) Priority Date	:28/05/2010	Address of Applicant : UNIT 3, EDGEFIELD INDUSTRIAL
(33) Name of priority country	:U.K.	ESTATE, EDGEFIELD ROAD, LOANHEAD, MIDLOTHIAN
(86) International Application No	:PCT/EP2011/058865	EH20 9TB U.K.
Filing Date	:30/05/2011	(72)Name of Inventor :
(87) International Publication No	:WO/2011/147996	1)CALDWELL, NIALL JAMES
(61) Patent of Addition to Application	:NA	2)DUMNOV, DANIIL SERGEEVICH
Number	:NA :NA	3)FIELDING, MICHAEL RICHARD
Filing Date	INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

An energy extraction device and method for extracting energy from a fluctuating energy flow from a renewable energy source. A hydraulic pump is driven by a rotating shaft, driven in turn by a renewable energy source. A hydraulic motor drives a load and a high pressure manifold communicates between the pump, motor and an elastically deformable fluid retaining body. The hydraulic pump and hydraulic motor comprise working chambers displacing a volume of working fluid selectable on each cycle of working chamber volume by the control of electronic valves. The pressure in the high pressure manifold is measured and the net rate of displacement of working fluid by the hydraulic pump is selected responsive thereto to regulate the torque applied to the said rotating shaft. The net rate of displacement of working fluid by the hydraulic motor is selected to smooth the energy flow to the load. The net rate of displacement of working fluid by the hydraulic motor is selected to regulate the pressure in the high pressure manifold to remain within an acceptable pressure range. Instead of tightly controlling the pressure in the high pressure manifold, it is allowed to vary and, by allowing the pressure to vary, a smooth output can be produced with high efficiency despite fluctuations in the energy flow from the renewable energy source. The pressure is more strongly controlled at the top and/or bottom of the acceptable pressure range than closer to an optimum working pressure.



No. of Pages : 57 No. of Claims : 25

(21) Application No.4312/KOLNP/2011 A

#### (19) INDIA

(22) Date of filing of Application :18/10/2011

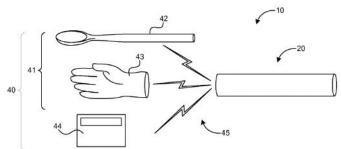
(43) Publication Date : 21/11/2014

#### (54) Title of the invention : EATING UTENSIL TO MONITOR AND REGULATE DIETARY INTAKE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application <ul> <li>Number</li> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> </ul>	:19/03/2010 :WO/2010/108117 :NA :NA :NA	<ul> <li>(71)Name of Applicant :</li> <li>1)CONTANT, Christine <ul> <li>Address of Applicant :C/o Boswell IP Law, 601 Union St.,</li> </ul> </li> <li>Suite 4200, Seattle, Washington 98101, U.S.A.</li> <li>(72)Name of Inventor : <ul> <li>1)CONTANT, Christine</li> </ul> </li> </ul>
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract :

Dietary intake regulating devices that can assist a user in measuring his or her dietary intake and optionally his or her physical activity are disclosed.



No. of Pages : 37 No. of Claims : 20

#### (19) INDIA

(22) Date of filing of Application :15/05/2014

(21) Application No.541/KOL/2014 A

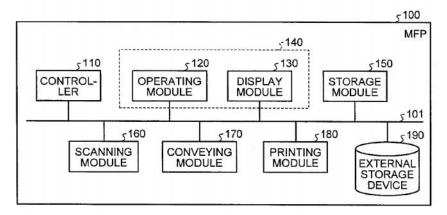
#### (43) Publication Date : 21/11/2014

#### (54) Title of the invention : INFORMATION PROCESSING APPARATUS AND INFORMATION PROCESSING METHOD

(51) International classification	:G06F 3/00	(71)Name of Applicant :
(31) Priority Document No	:2013- 104530	1)RICOH COMPANY, LIMITED Address of Applicant :3-6, NAKAMAGOME 1-CHOME,
(32) Priority Date	:16/05/2013	OHTA-KU, TOKYO 143-8555 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor :
(86) International Application No	:NA	1)Shunichi MAEDA
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract :

An information processing apparatus comprises an operating module to which a touch operation performed with a pointing tool is entered; a calculating module that calculates a reference distance that is a distance between a reference point on an image display area of an operation display surface and a point on the image display area defined by a first operation performed on the operating module with a single piece of the pointing tool, calculates a control distance that is a distance between the reference point and a point on the image display area defined by a read defined by a second operation performed on the operating module with a single piece of the pointing tool, and calculates a magnification ratio based on the reference distance and the control distance; and a magnification/reduction module that generates a scaled image by magnifying or reducing a display image displayed on the image display area by the magnification ratio.



No. of Pages : 64 No. of Claims : 9

(21) Application No.498/KOL/2013 A

(19) INDIA

#### (22) Date of filing of Application :01/05/2013

(43) Publication Date : 21/11/2014

## (54) Title of the invention : SHOE WITH AN ELECTRONIC CIRCUIT TO AID BLIND PEOPLE TO WALK BY SENSING THE EXISTENCE OF THE OBSTACLES ON THE SPECIFIED AS WELL AS UNSPECIFIED TRACK.

(51) International classification	:A61H 3/00	(71)Name of Applicant : 1)MR. KRISHNASAI INKOOLU
(31) Priority Document No	:NA	Address of Applicant : C/O: PROF R. ANITARAO. FLAT
(32) Priority Date	:NA	NO. 3, ELEGANCE ENCLAVE, FACOR LAYOUTS,
(33) Name of priority country	:NA	WALTAIR UPLANDS, VISAKHAPATNAM-530003 Andhra
(86) International Application No	:NA	Pradesh India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	:NA	1)MR. KRISHNASAI INKOOLU
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The shoe (s) of the present invention has a pocket to accommodate a microcontroller (2) and a motor driver circuit (3). A sensor is disposed in the front part of the shoe. A D.C. motor along with a mechanism of taping by a stick is arranged in the pocket of the shoe. The sensor senses the obstacle and sends a signal to the microcontroller (2) and to the motor driver circuit (3) which provides current to the DC motor which rotates and provides an oscillatory motion to a stick for hitting the arch of a foot of a wearer to alert him for an obstacle in the track.

No. of Pages : 22 No. of Claims : 3

## PUBLICATION U/R 84[3] IN RESPECT OF APPLICATION FOR RESTORATION OF PATENTS (KOLKATA)

Notice is hereby given that any person interested in opposing the following applications for Restoration of Patents under Section 60 of the Patent Act, 1970, may at any time within 2 months from the date of publication of this notice, give notice to the Controller of Patents at the appropriate office on the prescribed Form 14 under rule 85 of the Patents Rules, 2003.

Patent No.	Applicants	Title	Date of Cessation	Appropria te Office
205281	M/s Warner Chilcott (Ireland) Limited	Intravaginal drug delivery devices for the administration of 17B oestradiol precursors.	19/12/2011	KOLKATA

## PUBLICATION U/S.60 IN RESPECT OF APPLICATION FOR RESTORATION OF PATENTS (KOLKATA)

Notice is hereby given that application for restoration of under mentioned Patents have been allowed and said Patents are restored.

Sl.No.	Appln. No.	Patent No.	Applicants	Title	Date of Publication U/R.84(3)	Appropriate Office
1.	432/KOL/2004	249290	EATON CORPORATION	A CLUTCH DRIVEN DISK	22/07/2013	Kolkata
2.	1112/CAL/1996	190515	HENRY K.OBERMEYER	AN ELASTOMERIC INFLATABLE BLADDER SYSTEM	14/06/2012	Kolkata

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Ser ial Nu mb er	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropr iate Office
1	263687	6486/DELNP/2006	06/05/2004	06/05/2004	RAZOR HEAD HAVING SEPARATELY ATTACHED PARTS AND METHOD OF PRODUCING THEREOF	BIC-VIOLEX SA	31/08/2007	DELHI
2	263688	420/DELNP/2006	27/07/2004	12/08/2003	DOSE INDICATOR FOR A FLUID DESPENSER DEVICE	VALOIS S.A.S.	24/08/2007	DELHI
3	263691	336/DELNP/2004	29/08/2002	31/08/2001	METHOD OF FORMING BARBS ON A SUTURE AND APPARATUS FOR PERFORMING SAME	ETHICON LLC	10/03/2006	DELHI
4	263694	186/DEL/2006	24/01/2006	27/01/2005	A METHOD OF USING ULTRASOUND TO INSPECT A PART IN IMMERSION	SNECMA	31/08/2007	DELHI
5	263695	3610/DELNP/2007	11/11/2004	11/11/2004	A METHOD OF PRODUCING AN OPTICALLY ACTIVE 3- METHYL-L- CYCLOPENTADECENE DERIVATIVE REPRESENTED BY GENERAL FORMULA (II-A)	TAKASAGO INTERNATIONAL CORPORATION	31/08/2007	DELHI
6	263699	00904/DELNP/200 3	17/12/2001	18/12/2000	AN IONIC EMISSION DEVICE	AIRINSPACE B.V.,	12/01/2007	DELHI
7	263701	1314/DEL/2005	24/05/2005		PROCESS FOR PRODUCING A GRANULAR ANIONIC SURFACTANT	KAO CORPORATION	24/11/2006	DELHI
8	263702	477/DELNP/2008	06/07/2006	19/07/2005	DISINFECTANT	LANXESS DEUTSCHLAND GMBH,LANXESS DEUTSCHLAND GMBH	15/08/2008	DELHI
9	263703	1502/DEL/2007	17/07/2007		SYSTEM FOR CONTROLLED TRANSFER OF LIQUID FROM SUPPLY LINE SOURCES OR SOURCE RESERVOIR TO DESTINATION RESERVOIRS OR SUPPLY LINES	SAINI LALIT MOHAN	17/08/2007	DELHI

263705				SYSTEM AND METHOD			
	6191/DELNP/2007	24/02/2006	02/03/2005	FOR PROVIDING A PROXY IN A SHORT MESSAGE SERVICE (SMS) ENVIRONMENT	CISCO TECHNOLOGY, INC.	31/08/2007	DELHI
263706	2048/DELNP/2008	18/07/2006	16/09/2005	SHAMPOO COMPOSITION CONTAINING A GEL NETWORK	THE PROCTER & GAMBLE COMPANY	04/07/2008	DELHI
263707	155/DELNP/2008	24/07/2006	22/07/2005	A COMPOSITION COMPRISING DELMOPINOL FOR THE TREATMENT OF ACNE	SINCLAIR PHARMACEUTICALS LIMITED	08/08/2008	DELHI
263708	1712/DEL/2005	01/07/2005	13/07/2004	SYSTEM AND METHOD FOR INFORMATION HANDLING SYSTEM TASK SELECTIVE WIRELESS NETWORKING	DELL PRODUCTS L.P.	31/08/2007	DELHI
263709	5616/DELNP/2007	26/01/2005	26/01/2005	MOBILE RADIO NETWORK, METHOD FOR OPERATING A TERMINAL DEVICE IN SUCH A NETWORK AND TERMINAL DEVICE WITH INTEGRATED ELECTRONIC CIRCUIT ARRANGEMENTS FOR STORING PARAMETERS THAT IDENTIFY THE TERMINAL DEVICE.	NOKIA SIEMENS NETWORKS GMBH & CO.KG	17/08/2007	DELHI
263711	5235/DELNP/2007	30/01/2006	28/01/2005	APPARATUSES AND METHODS FOR MANIPULATING DROPLETS ON A PRINTED CIRCUIT BOARD	DUKE UNIVERSITY	17/08/2007	DELHI
263712	630/DELNP/2007	29/07/2005	06/08/2004	RAILWAY CAR COUPLER KNUCKLE HAVING IMPROVED BEARING SURFACE	MCCONWAY & TORLEY, LLC	03/08/2007	DELHI
263714	9466/DELNP/2007	17/05/2006	20/05/2005	POWER REGULATION FOR FIELD INSTRUMENTS	DRESSER, INC.	11/01/2008	DELHI
263717	1241/DELNP/2007	24/11/2004	05/08/2004	A METHOD OF STORING ENERGY IN ELECTRIC POWER GRID HAVING A FUSSIL FUEL AND APPARATUS THEREOF	MICROCOAL INC	03/08/2007	DELHI
263718	3879/DELNP/2009	21/11/2007	21/11/2006	PLANT DISEASE DAMAGE CONTROL COMPOSITION	MITSUI CHEMICALS, INC.	16/04/2010	DELHI
263719	2860/DELNP/2008	10/08/2006	30/09/2005	A METHOD OF MAKING REDUCED FAT POTATO CHIPS	SABRITAS, S. DE R.L. DE C.V	13/06/2008	DELHI
2 2 2 2 2 2 2 2	<ul> <li>63707</li> <li>63708</li> <li>63709</li> <li>63711</li> <li>63712</li> <li>63714</li> <li>63717</li> <li>63718</li> </ul>	63707       155/DELNP/2008         63708       1712/DEL/2005         63709       5616/DELNP/2007         63711       5235/DELNP/2007         63712       630/DELNP/2007         63714       9466/DELNP/2007         63717       1241/DELNP/2007         63718       3879/DELNP/2009	63707       155/DELNP/2008       24/07/2006         63708       1712/DEL/2005       01/07/2005         63709       5616/DELNP/2007       26/01/2005         63711       5235/DELNP/2007       30/01/2006         63712       630/DELNP/2007       29/07/2005         63714       9466/DELNP/2007       17/05/2006         63717       1241/DELNP/2007       24/11/2004         63718       3879/DELNP/2009       21/11/2007	63707       155/DELNP/2008       24/07/2006       22/07/2005         63708       1712/DEL/2005       01/07/2005       13/07/2004         63709       5616/DELNP/2007       26/01/2005       26/01/2005         63711       5235/DELNP/2007       26/01/2005       28/01/2005         63712       630/DELNP/2007       29/07/2005       06/08/2004         63714       9466/DELNP/2007       17/05/2006       20/05/2005         63717       1241/DELNP/2007       24/11/2004       05/08/2004         63718       3879/DELNP/2009       21/11/2007       21/11/2007	637062048/DELNP/200818/07/200616/09/2005CONTAINING A GEL NETWORK63707155/DELNP/200824/07/200622/07/2005A COMPOSITION COMPRISING DELMOPINOL FOR THE TREATMENT OF ACNE637081712/DEL/200501/07/200513/07/2004SYSTEM AND METHOD FOR INFORMATION HANDLING SYSTEM TASK SELECTIVE WIRELESS NETWORKING637095616/DELNP/200726/01/200526/01/2005MOBILE RADIO NETWORK, METHOD FOR NETWORK AND TERMINAL DEVICE WITH INTEGRATED ELECTRONIC CIRCUIT ARRANGEMENTS FOR STORING PARAMETERS THAT IDEVICE637115235/DELNP/200730/01/200628/01/2005APPARATUSES AND METHODS FOR MANIPULATING DROPLETS ON A PRINTED CIRCUIT BOARD63712630/DELNP/200717/05/200620/05/2005RAILWAY CAR COUPLER KNUCKLE HAVING IMPROVED BEARING SURFACE637149466/DELNP/200717/05/200620/05/2005POWER REGULATION FOR FIELD INSTRUMENTS637183879/DELNP/200921/11/200721/11/2006AMETHOD OF STORING APPARATUS THEREOF637192860/DELNP/200810/08/200630/09/2005REDUCED FAT POTATO	637062048/DELNP/200818/07/200616/09/2005CONTAINING A GEL NETWORKIFHER KOATHER & GAMIBLE COMPANY63707155/DELNP/200824/07/200622/07/2005CONTAINING A GEL NETWORKSINCLAIR PHARMACEUTICALS LIMITED637081712/DEL/200501/07/200513/07/2004SYSTEM AND METHOD HANDLING SYSTEM TASK DELL PRODUCTS L.P.637095616/DELNP/200726/01/200526/01/2005SOUTON CONTAINING A TERMINAL DELCTIVE WIRELESS NETWORKINGNOKIA SIEMENS NETWORKING637115235/DELNP/200726/01/200526/01/2005SOUTON CONTAININAL DEVICE WITH THE TERMINAL DEVICE WITH THE TERMINAL DEVICE WITH ARADEMENTS FOR STORING PARAMETERSNOKIA SIEMENS NETWORKS GMBH & CO.KG637115235/DELNP/200730/01/200628/01/2005APPARATUSES AND MANPULATING OR/DEVICE IN SUCH A NETWORK ON A PRINTED CIRCUIT BOARDDUKE UNIVERSITY63712630/DELNP/200717/05/200620/05/2005FIELD INSTRUMENTSMCCONWAY & TORLEY, LLC637131241/DELNP/200717/05/200620/05/2005FOWER REGULATION FOR FIELD INSTRUMENTSMICROCOAL INC637143879/DELNP/200721/11/200721/11/2006CONTRAI DISEASE DAMAGE APPARATUS THEREOFMITSUI CHEMICALS, INC.637183879/DELNP/200921/11/200721/11/2006CONTRAI DISEASE DAMAGE CONTRAI CONTRAI CO	63706         2048/DFLNP/2008         18/07/2006         16/09/2005         CONTAINING A GEL NETWORK         Inter Procense & CoMPANY         04/07/2008           63707         155/DELNP/2008         24/07/2006         22/07/2005         A COMPOSITION COMPRISING DELMOPINOL FOR THE TREATMENT OF ACNE         SINCLAIR PHARMACEUTICALS         08/08/2008           63708         1712/DEL/2005         01/07/2005         13/07/2004         SYSTEM AND METHOD FOR INFORMATION HANDLING SYSTEM TASK SET JECTIVE WIRELESS         DELL PRODUCTS L.P.         31/08/2007           63709         5616/DELNP/2007         26/01/2005         26/01/2005         SYSTEM AND NETWORK METHOD FOR NETWORK METHOD FOR NETWORK AND TERMINAL DEVICE WITH INTEGRATED         NOKIA SIEMENS NETWORKS GMBH & IF/WORKS GMBH & IF/

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21	263724	8648/DELNP/2008	20/04/2007	20/04/2006	A STEEL MATERIAL PLATED WITH ZN- CONTAINING MATERIAL AND HAVING A COMPOSITE COATING FORMED THEREON,SUPERIOR IN CORROSION RESISTANCE ETC	NIPPON STEEL & SUMITOMO METAL CORPORATION	01/05/2009	DELHI
22	263726	23/DEL/2009	07/01/2009 16:56:02		A PROCESS FOR PREPARATION OF CHLORODIFLUROCETONI TRILE	SRF LIMITED	06/03/2009	DELHI
23	263739	285/DELNP/2009	15/06/2007	16/06/2006	AN IN VITRO METHOD FOR DETERMINING EMBRYO QUALITY	UNISENSE FERTILITECH A/S	15/05/2009	DELHI
24	263742	509/DELNP/2008	26/06/2006	28/06/2005	QUINOLINE DERIVATIVES AS ANTIBACTERIAL AGENTS	JANSSEN PHARMACEUTICA N.V	08/08/2008	DELHI
25	263743	1327/DEL/2003	28/10/2003	31/10/2002	AN AIR CONDITIONING SYSTEM FOR VEHICLES	SANDEN CORPORATION	14/10/2005	DELHI
26	263748	4157/DELNP/2007	09/11/2005	09/12/2004	AQUEOUS DISPERSION OF POLY(ACETAL-	HERCULES INCORPORATED	31/08/2007	DELHI
27	263750	3817/DELNP/2006	18/04/2005	16/08/2004	A DRY-TYPE DUST CATCHER WITH HEAT EXCHANGER USED FOR BLAST FURNACE	SHANDONG PROVINCE METALLURGICAL ENGINEERING CO. LTD.	13/07/2007	DELHI
28	263761	3985/DELNP/2008	27/10/2006	02/11/2005	STABILIZED PHARMACEUTICAL FORMULATIONS THAT CONTAIN THE INTERFERONS GAMMA AND ALPHA IN SYNERGISTIC PROPORTIONS	CENTRO DE INGENIERIA GENETICA Y BIOTECNOLOGIA	20/03/2009	DELHI
29	263766	2077/DEL/2004	25/10/2004		IMPROVED PROCESS FOR EXPRESSION, PURIFICATION AND ENHANCED RECOVERY OF MYCOBACTERIAL RECOMBINANT PROTEINS	UNIVERSITY OF DELHI	19/06/2009	DELHI
30	263767	1000/DEL/2007	08/05/2007 12:50:35	26/05/2006	DISPENSING APPARATUS FOR DELIVERING METERED DOSES	BESPAK PLC	07/12/2007	DELHI
31	263769	1672/DEL/2005	28/06/2005	28/07/2004	A TOP-COMBUSTION HOT BLAST STOVE WITH A PRE-COMBUSTION CHAMBER HAVING A HEAT INSULATING LAYER	SHANDONG PROVINCE METALLURGICAL ENGINEERING CO. LTD.	31/08/2007	DELHI

32	263770	302/DELNP/2008	07/08/2006	16/08/2005	" A CATHODE ACTIVE MATERIAL AND LITHIUM SECONDARY BATTERY	LG CHEM , LTD.	08/08/2008	DELHI
33	263772	6848/DELNP/2007	17/03/2006	24/03/2005	MULTILAYER CIRCUIT BOARD WITH EMBEDDED COMPONENTS AND METHOD OF MANUFACTURE	MOTOROLA MOBILITY, INC.	07/12/2007	DELHI
34	263773	4168/DELNP/2006	09/02/2005		POWER CONSUMPTION CONTROLLED TRANSCEIVER	THOMSON LICENSING	13/07/2007	DELHI

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Ser ial Nu mb er	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriat e Office
1	263710	2541/MUMNP/2010	08/06/2009	09/06/2008	METHOD FOR PRODUCING 1- BIPHENYLMETHYLIMI DAZOLE COMPOUND	DAIICHI SANKYO COMPANY LIMITED	10/02/2012	MUMBAI
2	263733	1181/MUMNP/2009	13/12/2007	14/12/2006	A PROCESS FOR PRODUCING ALKYLATE ,	CHEVRON U.S.A. INC.	17/07/2009	MUMBAI
3	263734	1013/MUMNP/2009	21/11/2007	21/11/2006	2 - [ (2-SUBSTITUTED) - INDOLIZIN-3-YL] -2- OXO- ACETAMIDE DERIVATIVES AS ANTIFUNGAL AGENTS	F2G LTD.	12/11/2010	MUMBAI
4	263758	963/MUMNP/2006	17/02/2005	18/02/2004	A SEAT UNIT FOR AN AIRCRAFT CABIN AND A SEATING ARRANGEMENT THEREOF	Singapore Airlines Limited	02/03/2007	MUMBAI
5	263763	1060/MUMNP/2010	22/10/2008	22/10/2007	AERATION DEVICE FOR THE INTRODUCTION OF GAS BUBBLES INTO A LIQUID MEDIUM	M.P.L. GREEN ENERGY LTD.	17/09/2010	MUMBAI
6	263764	1554/MUMNP/2008	20/12/2006	28/12/2005	A SYSTEM AND METHOD FOR DIODE SIDE PUMPING OF SOLID STATE LASER RODS	ISRAEL AEROSPACE INDUSTRIES LTD.	10/10/2008	MUMBAI

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Seri al Nu mbe r	Patent Numbe r	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriat e Office
1	263690	6204/CHENP/2008	15/05/2006	15/05/2006	CONTROL APPARATUS FOR ELECTRIC TRAIN	MITSUBISHI DENKI KABUSHIKI KAISHA.	27/03/2009	CHENNAI
2	263692	2396/CHENP/2007	02/11/2005	04/11/2004	A PROCESS FOR THE PRODUCTION OF A COMPOSITION WHICH INCLUDES AN ASYMMETRICAL SESQUITERPENE DIMER	SOUTH AFRICAN MEDICAL RESEARCH COUNCIL,UNIVERSITY OF CAPE TOWN	07/09/2007	CHENNAI
3	263693	1327/CHE/2004	07/12/2004	07/12/2003	A METHOD OF FRAME AGGREGATION	LUCENT TECHNOLOGIES INC.	04/03/2005	CHENNAI
4	263696	2424/CHE/2007	25/10/2007 16:26:55		A METHOD OF REDIRECTING FAX BASED ON THE MEMORY CONDITION	SAMSUNG R&D INSTITUTE INDIA- BANGALORE PRIVATE LIMITED	11/09/2009	CHENNAI
5	263716	891/CHE/2005	07/07/2005	13/07/2004	A METHOD AND APPARATUS FOR PROVIDING NETWORK SUPPORT FOR A WIRELESS EMERGENCY CALL	LUCENT TECHNOLOGIES INC.	09/03/2007	CHENNAI
6	263721	2738/CHE/2008	07/11/2008 16:31:42	09/11/2007	PRIMARY RADIATOR FOR PARABOLIC ANTENNA, LOW NOISE BLOCK DOWN- CONVERTER, AND SATELLITE-RECEIVING ANTENNA DEVICE	SHARP KABUSHIKI KAISHA	21/08/2009	CHENNAI
7	263722	2892/CHE/2008	21/11/2008	29/11/2007	A METHOD OF MAKING A MOBILE DEVICE AND ASSOCIATED DEVICE	Research In Motion Limited	26/12/2008	CHENNAI
8	263738	1169/CHE/2007	07/06/2007		A METHOD FOR DYNAMICALLY REDIRECTING CALLS TO A VOICE MESSAGE ON TO A VOICEMAIL BOX	SAMSUNG R&D INSTITUTE INDIA- BANGALORE PRIVATE LIMITED	26/12/2008	CHENNAI
9	263740	5023/CHENP/2008	21/02/2007	23/02/2006	DEVICE FOR GUIDING A THREAD AND WINDING MACHINE	SAURER GMBH & CO. KG	20/03/2009	CHENNAI
10	263747	1021/CHE/2008	25/04/2008		DRIP CHAMBER WITH AUTO END FLOW RETARTER AND FLOW BLOCKER	P.V. NARASAIAH NAIDU	06/06/2008	CHENNAI
				The Pate	ent Office Journal 21/11/2	2014	11	705

11	263751	4422/CHENP/2007	05/04/2006	07/04/2005	PROCESS FOR PRODUCING AN AMINOMETHYL THIAZOLE COMPOUND	SUMITOMO CHEMICAL COMPANY, LIMITED	25/01/2008	CHENNAI
12	263753	290/CHE/2008	01/02/2008 17:52:35		FORGED DESIGN TOOTH POINT FOR BACKHOE LOADER	M/S. BEML LIMITED	11/09/2009	CHENNAI
13	263757	301/CHE/2009	11/02/2009 17:09:50	15/02/2008	EXHAUST EMISSION CONTROL SYSTEM FOR MOTORCYCLE	HONDA MOTOR CO., LTD.	11/09/2009	CHENNAI
14	263760	4602/CHENP/2007	14/03/2006	16/03/2005	PROCESS FOR THE COMBINED PRODUCTION OF PARA- XYLENE AND BENZENE WITH IMPROVED PRODUCTIVITY	INSTITUT FRANCAIS DU PETROLE	28/03/2008	CHENNAI
15	263762	2465/CHENP/2007	07/12/2005	08/12/2004	3-(INDOLYL)-4- PHENYLMALEIMIDE COMPOUNDS	JOHANNES GUTENBERG- UNIVERSITAT MAINZ	07/09/2007	CHENNAI
16	263765	2086/CHENP/2004	21/02/2003	22/02/2002	METHOD FOR SELECTING A CEMENTING COMPOSTION FOR CEMENTING WELLS	HALLIBURTON ENERGY SERVICES, INC	03/03/2006	CHENNAI
17	263768	5019/CHENP/2008	22/03/2007	22/03/2006	A METHOD FOR OPERATING AN INTERACTIVE OPERATOR CONTROL DEVICE IN A MOTOR VEHICLE	VOLKSWAGEN AG	20/03/2009	CHENNAI
18	263771	1192/CHE/2007	08/06/2007		METHOD AND SYSTEM FOR CONTENT LEVEL REACTIVE AUTHORIZATION FOR CONTENTS REQUESTED BY A WATCHER	SAMSUNG R&D INSTITUTE INDIA- BANGALORE PRIVATE LIMITED	26/12/2008	CHENNAI
19	263774	1998/CHENP/2007	08/11/2005	10/11/2004	A SYSTEM OF DEVICES COMPRISING A PLURALITY OF SENSOR DEVICES AND A METHOD OF INSTALLING A SYSTEM	KONINKLIJKE PHILIPS ELECTORNICS N.V.	31/08/2007	CHENNAI
20	263775	2683/CHENP/2007	08/12/2005	21/12/2004	METHOD AND APPARATUS FOR ERROR CORRECTION OF OPTICAL DISC DATA	KONINKLIJKE PHILIPS ELECTRONICS N. V.	07/09/2007	CHENNAI

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Seri al Nu mb er	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	263689	3179/KOLNP/2007	06/02/2006	17/02/2005	ANTENNA CIRCUIT MANUFACTURING METHOD, AN ANTENNA CIRCUIT AND TRANSPONDER	SMARTRAC IP B.V.	28/12/2007	KOLKATA
2	263697	1374/KOLNP/2008	12/10/2006	12/10/2005	COMPOUNDS, ROSINS, AND SIZING COMPOSITIONS	PPG INDUSTRIES OHIO, INC.	26/12/2008	KOLKATA
3	263698	3739/KOLNP/2006	13/04/2006	14/04/2005	DRY FRACTIONATION METHOD FOR FAT	ADEKA CORPORATION	15/06/2007	KOLKATA
4	263700	1850/KOLNP/2008	15/10/2006	11/10/2005	COMPOSITIONS FOR NASAL DELIVERY	YISSUM, RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM	09/01/2009	KOLKATA
5	263704	997/KOL/2008	04/06/2008 15:46:30	07/06/2007	ELECTRONIC MUSICAL INSTRUMENT KEYBOARD APPARATUS	YAMAHA CORPORATION	24/04/2009	KOLKATA
6	263713	1872/KOLNP/2008	20/10/2006	21/10/2005	ANTIFOULING MATERIAL AND PRODUCTION METHOD THEREOF	SAINT-GOBAIN GLASS FRANCE	09/01/2009	KOLKATA
7	263715	2404/KOLNP/2007	02/12/2005	02/12/2004	GRAM POSITIVE FUSION FLAGELLIN PROTEIN PRODUCING BACTERIA	CSIR	24/08/2007	KOLKATA
8	263720	2611/KOLNP/2007	12/01/2006	20/01/2005	METHOD OF COLORING A CONTACT LENS	JOHNSON & JOHNSON VISION CARE, INC.	31/08/2007	KOLKATA
9	263723	1215/KOLNP/2007	22/02/2007	18/10/2006	TUYERE OF MELTER- GASIFIER	POSCO	02/05/2008	KOLKATA
10	263725	59/KOLNP/2008	17/06/2005	08/06/2005	ARM AND LEG POWERED BICYCLE	CYNN, KIE-HO	12/09/2008	KOLKATA
11	263727	4672/KOLNP/2008	26/05/2006	26/05/2006	TEST DEVICE FOR A SWITCHGEAR CABINET WITH AN INPUT TERMINAL STRIP	SIEMENS AKTIENGESELLSCHA FT	13/03/2009	KOLKATA
12	263728	327/KOL/2009	20/02/2009 15:51:47	08/04/2008	TRANSMISSION HYDRAULIC PRESSURE SENSOR BASED ALTITUTE MEASUREMENT	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	16/10/2009	KOLKATA

13	263729	1969/KOL/2008	06/11/2008	19/12/2007	SYSTEMS AND METHODS FOR PRECHARGING BOOST CONVERTERS IN DC TO DC POWER CONVERTERS	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	26/06/2009	KOLKATA
14	263730	1925/KOL/2008	03/11/2008 15:49:32	08/11/2007	METHOD OF SHUTDOWN PATH PERFORMANCE TEST FOR PERMANENT MAGNET AC MOTOR IN HYBRID POWERTRAIN	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	05/06/2009	KOLKATA
15	263731	1078/KOLNP/2009	27/09/2007	29/09/2006	FUSED LOAD INTERRUPTER, SWITCHGEAR ASSEMBLY AND ADAPTER PART	SIEMENS AKTIENGESELLSCHA FT	22/05/2009	KOLKATA
16	263732	5025/KOLNP/2008	01/08/2007	08/08/2006	DIESEL-ELECTRIC DRIVE SYSTEM	SIEMENS AKTIENGESELLSCHA FT	27/03/2009	KOLKATA
17	263735	612/KOLNP/2009	18/07/2007	18/07/2006	LOW FOAMING CLEANER	NOVAPHARM RESEARCH (AUSTRALIA) PTY LTD.	15/05/2009	KOLKATA
18	263736	394/KOLNP/2008	14/07/2006	01/08/2005	AN APPARATUS FOR COOLING A METAL STRIP	EBNER INDUSTRIEOFENBAU GMBH	05/12/2008	KOLKATA
19	263737	3692/KOLNP/2008	15/03/2007	18/03/2006	MAGNESIUM-BASED ALLOY WITH IMPROVED COMBINATION OF MECHANICAL AND CORROSION CHARACTERISTICS	ACROSTAK CORP. BVI	20/02/2009	KOLKATA
20	263741	2658/KOLNP/2007	27/12/2004	27/12/2004	A TRIPLE POLARIZED PATCH ANTENNA	TELEFONAKTIEBOLA GET LM ERICSSON (publ)	31/08/2007	KOLKATA
21	263744	73/KOLNP/2007	21/07/2005	21/07/2004	AN INFUSION DEVICE	ANIMAS CORPORATION	29/06/2007	KOLKATA
22	263745	2820/KOLNP/2007	12/01/2006	12/01/2005	ELECTRODE FOR PHYSIOLOGICAL SIGNAL MEASUREMENTS AND METHOD FOR MAKING SAME	MAQUET CRITICAL CARE AB	07/09/2007	KOLKATA
23	263746	1912/KOL/2008	03/11/2008	05/11/2007	METHOD FOR OPERATING A POWERTRAIN SYSTEM	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	05/06/2009	KOLKATA
24	263749	406/KOL/2008	03/03/2008	03/04/2007	A DIAGONOSTIC SYSTEM AND METHOD FOR DETECTING FAILURES IN FUEL SYSTEM	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	17/04/2009	KOLKATA

25	263752	3944/KOLNP/2006	23/06/2005	29/06/2004	SINGLE-USE SYRINGE	BECTON, DICKINSON AND COMPANY	22/06/2007	KOLKATA
26	263754	1098/KOLNP/2007	12/09/2005	20/10/2004	DIFFUSE SOUND SHAPING FOR BCC SCHEMES AND THE LIKE	FRAUNHOFER- GESELLSCHAFT ZUR FOERDERUNG,AGERE SYSTEMS, INC.	13/07/2007	KOLKATA
27	263755	3890/KOLNP/2006	27/05/2005	28/05/2004	A COMPACT INJECTION DEVICE FOR AUTOMATIC EXTENSION AND RETRACTION OF ITS SYRINGE AFTER CONTENT DISCHARGE	CILAG GMBH INTERNATIONAL	22/06/2007	KOLKATA
28	263756	1560/KOLNP/2008	09/11/2006	16/12/2005	METHOD OF MANUFACTURING ELECTRIC RESISTANCE WELDING PIPE HAVING EXCELLENT CHARACTERIZATION OF WELDED SEAM	JFE STEEL CORPORATION	26/12/2008	KOLKATA
29	263759	3286/KOLNP/2006	28/04/2005	27/05/2004	DEVICE FOR DECOUPLING AND /OR DESYNCHRONIZING NEURAL BRAIN ACTIVITY	Forschungszentrum Julich Gmbh	08/06/2007	KOLKATA

## **CONTINUED TO PART-3**

## **CONTINUED FROM PART-2**

## **INTRODUCTION**

In view of the recent amendment made in the Designs (Amendment) Rules, 2008 with effect from 17/06/2008, Publication of the matter relating to Designs is being published in the Official Journal of The Patent Office. This Journal is being published on weekly basis on every Friday covering the various proceedings on Designs as required according to the provisions of under Rule 22, 25, 27 and 39 of the Design (Amendment) Rules, 2008. All the enquiries on this Official Journal and other information as required by the public should be addressed to the Controller General of Patents, Designs & Trade Marks. Suggestions and comments are requested from all quarters so that the content can be enriched.

## **CORRIGENDUM**

The Registered Design No. 258925 which has been erroneously published in the official Journal of India dated 10/10/2014, part –II, at page 5865, column 3 in the name of VALENTINO S.P.A., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF ITALY, OF VIA TURATI, 16/18, I-20121 MILANO, ITALY Class 02-04, Date of Registration 23/12/2013, Titled as SHOE, Priority Number 002262378 Date 25/06/2013, Country OHIM should read as VALENTINO S.P.A., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF ITALY, OF VIA TURATI, 16/18, I-20121 MILANO, ITALY Class 02-04, Date of Registration 23/12/2013, Titled as FOOTWEAR, Priority Number 002262378 Date 25/06/2013, Country OHIM should read as FOOTWEAR, Priority Number 002262378 Date 25/06/2013, Country OHIM

## THE DESIGNS ACT 2000 SECTION 30 DESIGN ASSIGNMENT

The Design stands in the name of AAV INDUSTRIES SDN BHD registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
255990	12-16	MILAN UTAMA SDN BHD (COMPANY NO. 707234-W), A COMPANY INCORPORATED UNDER THE LAWS OF MALAYSIA, HAVING ITS REGISTERED ADDRESS AT: NO. 7, JALAN PJS 7/19, BANDAR SUNWAY, 47500 SUBANG JAYA, MALAYSIA

## **COPYRIGHT PUBLICATION**

SL NO	<b>REGISTERED DESIGN NUMBERS</b>	<b>RENEWED ON</b>
1.	196544	20.10.2014
2.	196545	20.10.2014
3.	196546	20.10.2014
4.	196547	20.10.2014
5.	196548	20.10.2014
6.	196549	20.10.2014
7.	196550	20.10.2014
8.	196552	20.10.2014
9.	196553	20.10.2014
10.	196554	20.10.2014
11.	196555	20.10.2014
12.	196556	20.10.2014
13.	196557	20.10.2014
14.	196558	20.10.2014
15.	194484	20.10.2014
16.	194485	20.10.2014
17.	194486	20.10.2014
18.	194487	20.10.2014
19.	194488	20.10.2014
20.	189139	25.09.2014

## RESTORATION OF LAPSED DESIGNS UNDER SECTION 12 (2) OF THE DESIGNS ACT, 2000

An application made under Section 12 (2) of the Designs act, 2000 on **17.07.2012**, for Restoration of **Design No.189139 dated 31.05.2002** in the name of **MARICO LIMITED**, **AN INDIAN COMPANY OF 7<sup>TH</sup> FLOOR**, **GRANDE PALLADIUM**, **175 C.S.T. ROAD**, **KALINA**, **SANTACRUZ (E) MUMBAI-400098** has been allowed.

#### **REGISTRATION OF DESIGNS**

The following designs have been registered. They are now open for public inspection. In the following each entry the Date of Registration is shown. The Priority Number, Priority Date and Priority Country are also shown

DESIGN NUMBER		261011	
CLASS		24-04	
1) <b>DAIWA CAN CAMPANY,</b> 2-7-2, MARUNOUCHI, CHIYODA JAPAN	-KU, TOKYO 100-700	9, JAPAN, NATIONALITY:	
DATE OF REGISTRATION	17	//03/2014	
TITLE	MOUTHPIE	CE FOR INHALER	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
2013-022399	26/09/2013	JAPAN	
DESIGN NUMBER		261093	
CLASS		14-01	$\sim$
1)BANG & OLUFSEN A/S, A DAN ADDRESS PETER BANGS VEJ 15, 7600 STR	D COMPANY OF THE		
DATE OF REGISTRATION	19	0/03/2014	$( ) \land$
TITLE	LOU	DSPEAKER	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
DA 2013 00066	20/09/2013	DENMARK	
DESIGN NUMBER		258370	
CLASS		12-16	
1)DAIMLER INDIA COMMERCIA INDIAN COMPANY INCORPORAT OF UNIT 201, 2ND FLOOR CAMP 143, DR. MGR ROAD, PERUNGUDI,	<b>ED UNDER THE LA</b> PUS 3B, RMZ MILLEN	WS OF INDIA, NIA BUSINESS PARK NO.	
DATE OF REGISTRATION	25	5/11/2013	
TITLE	SLEEPER BEF	RTH FOR VEHICLES	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
002244368-0003	27/05/2013	OHIM	

DESIGN NUMBER	250	6785	
CLASS	07	7-05	$\sim$
1)SATA GMBH & CO. KG, O DOMERTALSTRASSE 20, 7( GERMANY, GERMAN COMPA	0806 KORNWESTHEI	M, DEUTSCHLAND,	
DATE OF REGISTRATION	TE OF REGISTRATION 25/09/2013		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
TITLE	DISPENSER FOR P	AINT CUP SYSTEM	
PRIORITY PRIORITY NUMBER 002226357	DATE 24/04/2013	COUNTRY OHIM	
DESIGN NUMBER		262040	
CLASS 1)M/S. BIBA APPARELS PRI		05-05	YOUR SUDAN SUDAN
LIMITED COMPANY INCORI COMPANIES ACT, 1956, AND RELIABLE HOUSE, SITUAT KANJURMARG (WEST), OPP. H MAHARASHTRA, INDIA. DATE OF REGISTRATION TITLE PRIORITY NA	PORATED UNDER T HAVING ITS'S REG 'ED AT HANUMAN S IUMA MALL, MUMB	HE PROVISION OF T ISTERED OFFICE AT ILK MILL COMPOUNI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
DESIGN NUMBER		260930	
CLASS		07-02	
1)TTK PRESTIGE LIMITED UNDER THE COMPANIES AC BUSINESS AT 11TH FLOOR, BRIGADE TO 560025, STATE OF KARNATAK DATE OF REGISTRATION	<b>T 1956, HAVING ITS</b> WERS, 135 BRIGADE	S PRINCIPAL PLACE	OF
TITLE		GAS STOVE	
PRIORITY NA			

DESIGN NUMBER		261539	
CLASS		07-02	
1)SOCIÉTÉ DES PRODUITS NE UNDER THE LAWS OF THE SWI OFFICE AT 1800 VEVEY, SWITZERLAND			
DATE OF REGISTRATION		04/04/2014	
TITLE	BEV	VERAGE DISPENSER	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
140335	24/12/2013	SWITZERLAND	
DESIGN NUMBER		258868	
CLASS		03-01	
SOCIETE ANONYME, 23RD KM. ATHENS-LAMIA HI NATIONALITY-GREECE DATE OF REGISTRATION			
TITLE		19/12/2013 HANDBAG	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
20130600150	24/09/2013	GREECE	
DESIGN NUMBER		260171	
CLASS		21-02	
1)MR. PRABHUDEV. S.K. S/O. I YEARS, NATIONALITY INDIAN, HAVING ITS OFFICE AT NO. 1, FIRST FLOOR, KK COM MOODALAPALYA, BANGALORE	<b>PROPRIETOR O</b> PLEX, 5TH CROSS	<b>F EAGLE HEALTH MATE</b> 5, NAGARABHAVI MAIN R	
DATE OF REGISTRATION		06/02/2014	
TITLE	GYM	NASIUM EQUIPMENT	
PRIORITY NA			

DESIGN NUMBER	260472	
CLASS	25-02	
BUSINESS	<b>COMPANIES ACT, 1956, HAVING PLACE OF</b> G COMPLEX, PROJECT-II, BREWERY ROAD,	Exercit vi Dinema
DATE OF REGISTRATION	19/02/2014	
TITLE	FRAME FOR CEILING SYSTEM	
PRIORITY NA		
DESIGN NUMBER	260563	
CLASS	06-01	
1)NILKAMAL LIMITED OF SURVEY NO 354/2 & 354/3, NE. ROAD, VILLAGE VASONA, SILVAS COMPANY		
DATE OF REGISTRATION	21/02/2014	
TITLE	CHAIR	
PRIORITY NA		
DESIGN NUMBER	261753	
CLASS	09-07	٥
1)CHRISTIAN LOUBOUTIN, A FR OF 1 RUE VOLNEY, 75002 PARIS		
DATE OF REGISTRATION	15/04/2014	
TITLE	CAP FOR COSMETIC BOTTLE	
PRIORITY NA		

DESIGN NUMBER		258485	
CLASS		12-16	-
1)NISSAN JIDOSHA KABUSHIKI MOTOR CO., LTD.), A JAPANESE UNDER THE LAWS OF JAPAN OF NO. 2 TAKARACHO, KANAGAW JAPAN	COMPANY, ORG	GANIZED AND EXISTING	I BEARE IN
DATE OF REGISTRATION		29/11/2013	
TITLE	RADIATOR	GRILL FOR AUTOMOBILE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
2013-012369	03/06/2013	JAPAN	
DESIGN NUMBER		261540	
CLASS		07-02	
UNDER THE LAWS OF THE SWITZERLAND HAVING ITS REGISTERED OFFICE AT 1800 VEVEY, SWITZERLAND			9
DATE OF REGISTRATION	04/04/2014		-
TITLE	BEVERAGE DISPENSER		
PRIORITY PRIORITY NUMBER	DATE COUNTRY		
140336	24/12/2013	SWITZERLAND	
DESIGN NUMBER	260475		
CLASS	25-02		
1)M/S. DIAMOND FRAMES PRIV INCORPORATED UNDER INDIAN BUSINESS AT #4, CORPORATION SHOPPIN SHENOY NAGAR, CHENNAI-600 03	<b>COMPANIES</b> AC	CT, 1956, HAVING PLACE OF	
	19/02/2014		
DATE OF REGISTRATION		19/02/2014	
DATE OF REGISTRATION TITLE	FRAME	FOR CEILING SYSTEM	_

DESIGN NUMBER		260981			
CLASS		13-03			
1)ABB FRANCE, A COM FRANCE, OF 3 AVENUE DU CAN COURTABOEUF CEDEX, F	ADA, IN	MEUBLE ATHO			A CONTRACT
DATE OF REGISTRATIO	N		14/03/201	.4	1-2
TITLE		ELECT	RIC CON	NECTOR	
PRIORITY					
PRIORITY NUMBER		DATE	С	OUNTRY	
002 312 603-0011		19/09/2013	0	HIM	
DESIGN NUMBER		261506			
CLASS		12-08			
1)MAHINDRA & MAHIN INCORPORATED UNDER 1913 OF GATEWAY BUILDING, 001, MAHARASHTRA, IND	APOLL	NDIAN COMPAN	IES ACT		
DATE OF REGISTRATION		03/04/2014		-	- A
TITLE		VEHICLE		CW.	
PRIORITY NA				1	-0
DESIGN NUMBER		259	032		
CLASS		12-	-15		
1)COMPAGNIE GENERA FRENCH COMPANY OF 1 FERRAND, FRANCE, AND MICHELIN RECHI COMPANY OF ROUTE LOW PACCOT, SWITZERLAND	2 COUI	<b>RS SABLON, F-63</b> ET TECHNIQUE, 5	8000, CLE S.A., A SV	RMONT-	
DATE OF REGISTRATIO	N	27/12/2013			
TITLE		TIRE			
PRIORITY PRIORITY NUMBER 002281600-0001		DATE 26/07/2013	COUNT OHIM	RY	

DESIGN NUMBER	2	62012	
CLASS		05-05	
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S REG SITUATED AT HANUMAN SILK MILL COMPOU MALL, MUMBAI-400 078 MAHARAS	ER THE PROVISION GISTERED OFFICE A ND, KANJURMARG (	OF THE COMPANIES AT RELIABLE HOUSE,	
DATE OF REGISTRATION	25/	/04/2014	K K K
TITLE	TEXTI	LE FABRIC	AAAAAAAA
PRIORITY NA			
DESIGN NUMBER	2	60777	
CLASS		09-03	
1)SUNITA MAKKAR, AN INDIAN TRADE HOUSE, 1993-94/41-C, SHIVAJI ROAD, AZ			
DATE OF REGISTRATION	04/	/03/2014	
TITLE	CONTAINER		and the second second
PRIORITY NA			
DESIGN NUMBER	2	59037	
CLASS		12-15	
1)COMPAGNIE GENERALE DES COMPANY OF 12 COURS SABLON AND MICHELIN RECHERCHE ET A SWISS COMPANY OF ROUTE I PACCOT, SWITZERLAND			
DATE OF REGISTRATION	27/	/12/2013	
TITLE		TIRE	
PRIORITY	1	1	
PRIORITY NUMBER	DATE	COUNTRY	
002281725-0001	26/07/2013	OHIM	

DESIGN NUMBER	260291			
CLASS	S 09-01			
1)BLUE OCEAN BEVERAGES PV INCORPORATED UNDER THE CO OFFICE AT PLOT A1, PHASE II, MARGAO IN NESSAI, MARGAO, GOA 403 709, M				
DATE OF REGISTRATION	12/02/2014	Parile El		
TITLE	BOTTLE	5		
PRIORITY NA		No series		
DESIGN NUMBER	261278			
CLASS	19-06			
UNDER THE INDIAN PARTNERSH OFFICE AT B-702, VIKAS PALMS, DR. AMBE MAHARASHTRA STATE, INDIA				
DATE OF REGISTRATION	27/03/2014			
TLE PEN				
PRIORITY NA				
DESIGN NUMBER	262016			
CLASS				
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S REU RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA.				
DATE OF REGISTRATION	E OF REGISTRATION 25/04/2014			
TITLE	TEXTILE FABRIC			
PRIORITY NA		AND AND		

DESIGN NUMBER		260392	
CLASS		15-99	
1)SOVEREIGN TECH ENGINEER LIMITED COMPANY HAVING ITS 14 MAHINDER CHAMBERS, W.T	<b>REGISTERED OFFI</b>	CE AT	
DATE OF REGISTRATION	17	//02/2014	
TITLE	COOLANT FIL	TRATION MACHINE	
PRIORITY NA			
DESIGN NUMBER		260692	
CLASS		07-02	
1)KONINKLIJKE PHILIPS N.V., A UNDER THE LAWS OF THE KING EINDHOVEN, WHOSE POST-OFFI HIGH TECH CAMPUS 5, 5656 AE DATE OF REGISTRATION	AT		
TITLE	28/02/2014 COFFEE MAKER		
	CON		- 5
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
002302497-0001	04/09/2013	OHIM	H
DESIGN NUMBER	DESIGN NUMBER 250312		
CLASS		26-04	
1)XICATO, INC., 4880 STEVENS CREEK BLVD, ST OF AMERICA, NATIONALITY: UNIT COMPANY		,	s
DATE OF REGISTRATION	19	0/12/2012	and the second second
TITLE	LED OPT	ICAL MODULE	ELCIPIO -
PRIORITY			and the second second
PRIORITY NUMBER	DATE	COUNTRY	
29/428,540	31/07/2012	U.S.A.	

DESIGN NUMBER	R		260945		
CLASS 1)SH. PANKAJ AGGARWAL, 1/2102, RAM NA			09-07		
110032, (INDIA).		WAL, 1/2102, RAM NA	,	AHDAKA, DELHI-	
DATE OF REGIST	FRATIO	N	13/03/201	4	
TITLE			CAP FOR BO	TTLE	
PRIORITY NA					
DESIGN NUMBE	R	26231	2		
CLASS		19-06			
INCORPORATED WHOSE ADDRES PERAMBAKKAM VILLAGE VISW	UNDE S IS SU I ROAD VANAT	A) <b>PRIVATE LIMITE</b> <b>A THE COMPANIES</b> <b>RVEY NO. 1902/126,</b> HPURAM, POST ULAI THE STATE OF TAM	<b>ACT, 1956</b> NDHAI,		
DATE OF REGISTRATION		02/05/20			
TITLE		CRAY	ON		
PRIORITY NA					
DESIGN NUMBER		261477			
CLASS		12-11			
ACT OF 1956, HA PLACE OF BUSIN "DARE HOUS	DIAN CO UNDEI VING IT NESS AT E'', 234,	OMPANY R THE COMPANIES IS PRINCIPAL			
DATE OF REGISTRATION		02/04/2014		-	
TITLE	CH	AIN COVER FOR BICYCLE			
PRIORITY NA					

DESIGN NUMBER		259042	
CLASS	08-03		
1)MACDON INDUSTRIES LTD., 680 MORAY STREET, WINNIPEC NATIONALITY: CANADA	MANITOBA CANAI	DA R3J 3S3,	~
DATE OF REGISTRATION	27	7/12/2013	
TITLE	BLADE	FOR A SICKLE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	Collin
151843	03/07/2013	CANADA	
DESIGN NUMBER		260206	
CLASS		07-03	
2ND FLOOR, KASHMIRA CHAM NAVRANGPURA, AHMEDABAD-38 DATE OF REGISTRATION			
TITLE	07/02/2014 SPOON		
PRIORITY NA			_
DESIGN NUMBER		262017	
CLASS		05-05	
1)M/S. BIBA APPARELS PRIVAT COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA.			
DATE OF REGISTRATION	25/04/2014		
TITLE	TEXTILE FABRIC		
PRIORITY NA			And the second second second second second

DESIGN NUMBER		260393	
CLASS	ASS 26-05		
1)KONINKLIJKE PHILIPS N.V., A UNDER THE LAWS OF THE KING EINDHOVEN, WHOSE POST-OFFI HIGH TECH CAMPUS 5, 5656 AE			
DATE OF REGISTRATION	1	7/02/2014	
TITLE	SP	OTLIGHT	G P
PRIORITY	1		
PRIORITY NUMBER	DATE	COUNTRY	
002299008-0001	29/08/2013	OHIM	
DESIGN NUMBER		260723	
CLASS		09-01	
1)M/S SHRI KRISHNA INTERNAT NATIONAL) HAVING ITS OFFICE B-21, WAZIRPUR INDUSTRIAL A	AT		I
DATE OF REGISTRATION	2	8/02/2014	
TITLE	]	BOTTLE	AND DEPEND
PRIORITY NA			Print and the
DESIGN NUMBER		261786	
CLASS		06-01	The second second
1)BHARAT VASUDEV GIDWANI 51, LULLANAGAR, KRISHNA KU	·	$\langle$	
DATE OF REGISTRATION	1	6/04/2014	-
TITLE	<b>6</b>		
PRIORITY NA			

DESIGN NUMBER		258965	
CLASS		23-03	
1)DOW GLOBAL TECHNOLOGIE EXISTING UNDER THE LAWS OF AN OFFICE AND PLACE OF BUSIN 2040 DOW CENTER, MIDLAND, I AMERICA			
DATE OF REGISTRATION	24	4/12/2013	
TITLE		R CONNECTOR FOR A NC MODULE FRAME	
PRIORITY	F		
PRIORITY NUMBER	DATE	COUNTRY	
201330292414.2	28/06/2013	CHINA	
DESIGN NUMBER		262025	
CLASS		05-05	
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S REA RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA. DATE OF REGISTRATION TITLE			
PRIORITY NA	IEAI	TLE FABRIC	
DESIGN NUMBER		260590	
CLASS		12-16	-
1)HONDA MOTOR CO., LTD., A J 1-1, MINAMI-AOYAMA 2-CHOM	R a		
DATE OF REGISTRATION	25	5/02/2014	
TITLE   FRONT TOP COVER FOR MOTORCYCLE			
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	~
2013-020100	30/08/2013	JAPAN	

DESIGN NUMBER		256206		
CLASS		10-04		
1)EXFO INC., 400 AVENUE GODIN, QU	ÉBEC	QC G1M 2K2, CA	ANADA	AA .
DATE OF REGISTRATION		04/0	09/2013	(Vac COM
TITLE	]		' INSTRUMENT F C NETWORKS	DR
PRIORITY PRIORITY NUMBER 29/447472		DATE 04/03/2013	COUNTRY U.S.A.	
DESIGN NUMBER		258	574	PER-DEPTIVE VIEW
CLASS		09-	-03	
1) <b>TETRA LAVAL HOLDIN</b> OF AVENUE GÉNÉRAL-O SWITZERLAND	NGS & GUISA	N 70, CH-1009 PU		
DATE OF REGISTRATION		05/12		
TITLE PRIORITY		PACKA	AGING	
PRIORITY NUMBER		DATE COUNTRY		
002282137-0016		26/07/2013	OHIM	
DESIGN NUMBER		25864	5	5-25-E
CLASS		22-01		10
1) <b>HIMANSHU SINGH, AN</b> D/65 MIG BARRA BY PA UTTAR PRADESH, INDIA				
DATE OF REGISTRATION		10/12/2013		
TITLE		SUB-MACHI	NE GUN	
PRIORITY NA				

DESIGN NUMBER		258966	
CLASS			
1)DOW GLOBAL TECHNOLOGIE EXISTING UNDER THE LAWS OF AN OFFICE AND PLACE OF BUSIN 2040 DOW CENTER, MIDLAND, I AMERICA			
DATE OF REGISTRATION	24	/12/2013	
TITLE		E FOR PHOTOVOLTAIC LE ASSEMBLY	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
201330291767.0	28/06/2013	CHINA	
DESIGN NUMBER		262013	
CLASS		05-05	
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S REU RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA.			
DATE OF REGISTRATION	25/04/2014		
TITLE	TEXTILE FABRIC		And And And
PRIORITY NA			20140 0 2 2010 0 2 0 2 0 2 0 2 0 2 0 2 0 2 0
DESIGN NUMBER		260575	
CLASS		15-03	B
1)NARENDER KUMAR NATIONA (INDIA) (INDIAN) WHOES ADDRE B-25, SECTOR-A-5/6, INDUSTRIA (INDIA)			
DATE OF REGISTRATION 24/02/2014			Antipe desmit
TITLE	DESTONE	ER MACHINERY	
PRIORITY NA			

DESIGN NUMBER		257805	
CLASS		26-03	
1)SCHREDER S.A. OF RUE DE LUSAMBO, 67, B-1190			
DATE OF REGISTRATION	28	8/10/2013	
TITLE	LIGHT	ING FIXTURE	
PRIORITY	1		
PRIORITY NUMBER	DATE	COUNTRY	<u> </u>
1373252-0002	04/06/2013	OHIM	
DESIGN NUMBER		258712	
CLASS		24-02	
1)GENERAL ELECTRIC COMPA 1 RIVER ROAD, SCHENECTAD CORPORATION	Y, NEW YORK 12345,		6
DATE OF REGISTRATION		2/12/2013	
TITLE	RESUSCI	TATION DEVICE	
PRIORITY NA			1 second
DESIGN NUMBER		259218	
CLASS		10-02	Ren o
CLASS 1)TURLEN HOLDING SA, A SWI C/O SIPO S.A., CHEMIN DU CHA	<b>SS COMPANY,</b> Àteau 26A, 2805 Soy		
1)TURLEN HOLDING SA, A SWI	ÂTEAU 26A, 2805 SOY		
1) <b>TURLEN HOLDING SA, A SWI</b> C/O SIPO S.A., CHEMIN DU CHA	ÂTEAU 26A, 2805 SOY	HIÈRES, SWITZERLAND	
1)TURLEN HOLDING SA, A SWI C/O SIPO S.A., CHEMIN DU CHA DATE OF REGISTRATION	ÂTEAU 26A, 2805 SOY	HIÈRES, SWITZERLAND 3/01/2014	
1)TURLEN HOLDING SA, A SWI C/O SIPO S.A., CHEMIN DU CHA DATE OF REGISTRATION TITLE	ÂTEAU 26A, 2805 SOY	HIÈRES, SWITZERLAND 3/01/2014	

DESIGN NUMBER	259	038	
LASS 12-15			-
1)COMPAGNIE GENERALE DES COMPANY OF 12 COURS SABLON AND MICHELIN RECHERCHE ET A SWISS COMPANY OF ROUTE I PACCOT, SWITZERLAND			
DATE OF REGISTRATION	27/12	/2013	
TITLE	TI	RE	
PRIORITY		-	
PRIORITY NUMBER	DATE	COUNTRY	
002281741-0001	26/07/2013	OHIM	
DESIGN NUMBER	262	033	
CLASS	05-	05	- 400 - 400 - 400 - 400 -
ACT, 1956, AND HAVING ITS'S REA RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA.	78 MAHARASHTRA,	2 (10) (10) (10) (10) (10) (10) (10) (10)	
DATE OF REGISTRATION	25/04/2014		
TITLE	TEXTILE FABRIC		
PRIORITY NA	2.62	0.45	
DESIGN NUMBER	262		-
CLASS			
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S REA RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA.			
DATE OF REGISTRATION 25/04/2014			
TITLE	TEXTILE	FABRIC	
PRIORITY NA			

DESIGN NUMBER		260422	
CLASS	15-04		
1)JOSEPH VÖGELE AG, OF JOSEPH-VÖGELE-STR. 1, 67067 NATIONALITY: GERMAN	LUDWIGSHAFEN/RH	EIN, GERMANY;	
DATE OF REGISTRATION			
TITLE		EL FOR ROAD PAVING IACHINE	
PRIORITY PRIORITY NUMBER	DATE	COUNTRY	
001393011	29/11/2013	OHIM	
DESIGN NUMBER		260499	
CLASS			10.5
		12-15	
1)METRO TYRES LIMITED, A ( INDIAN COMPANIES ACT, 1956, ADDRESS: C-49, SECTOR-62, NOIDA-2013(	NATIONALITY- INDI		
DATE OF REGISTRATION	20	0/02/2014	
TITLE		TYRE	
PRIORITY NA			
DESIGN NUMBER		257111	
CLASS		19-02	
1)LUXOR WRITING INSTRUME OF 229, OKHLA INDUSTRIAL EST.			=1
DATE OF REGISTRATION		0/09/2013	
TITLE		STER CARD	and the state
PRIORITY NA			Sector Contraction

DESIGN NUMBER		262459	
CLASS		14-99	
1)SAMSUNG ELECTRONICS 129, SAMSUNG-RO, YEONG REPUBLIC OF KOREA, A COMP			
DATE OF REGISTRATION		07/05/2014	
TITLE		STAND FOR TELEVISION	
PRIORITY	I		
PRIORITY NUMBER	DATE	COUNTRY	
30-2014-0000248	02/01/2014	REPUBLIC OF KOREA	
DESIGN NUMBER		261458	
CLASS		08-06	
PRINCIPAL PLACE OF BUSIN FIRST FLOOR, PATEL NAGA DHARM STEEL, RAJKOT, GUJA DATE OF REGISTRATION	R-2, CLOSE S	TREET, SADBHAVNA SOCIETY, OPP 02/04/2014	
TITLE			
PRIORITY NA			
DESIGN NUMBER		259296	
CLASS		24-02	
1) <b>PARAMOUNT SURGIMED</b> AN INDIAN COMPANY OF 1 ROAD, PHASE-II, NEW DELHI-1	, L.S.C. OKHLA	A INDUSTRIAL AREA, OKHLA MAIN	
DATE OF REGISTRATION			
TITLE		DISPOSABLE SCALPEL	
PRIORITY NA			

DESIGN NUMBER		262043	
CLASS		05-05	
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S REURELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA.			
DATE OF REGISTRATION	25	5/04/2014	
TITLE	TEXT	ILE FABRIC	
PRIORITY NA			
DESIGN NUMBER		247753	
CLASS		14-02	
1)MOBILL SCANDINAVIA AB, A EXISTING UNDER THE LAWS OF OF LILLA TORG 1, 211 34 MALM	SWEDEN,	GANIZED AND	
DATE OF REGISTRATION	07	7/09/2012	
TITLE	R	EADER	
PRIORITY		1	
PRIORITY NUMBER	DATE	COUNTRY	
002004218	07/03/2012	OHIM	
DESIGN NUMBER		259019	
CLASS		13-03	
1)NOVATEUR ELECTRICAL & D ORGANIZED UNDER THE LAWS ( OF 61/62, 6TH FLOOR, KALPATA ANDHERI-KURLA ROAD, ANDHER			
DATE OF REGISTRATION	27	7/12/2013	41029
TITLE	to dia al		
PRIORITY NA			

DESIGN NUMBER		262047	
CLASS		05-05	St. 199
1)M/S. BIBA APPARELS PRIVAT COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA.			
DATE OF REGISTRATION	25	5/04/2014	
TITLE	TEXT	TILE FABRIC	
PRIORITY NA			
DESIGN NUMBER		260641	
CLASS		09-01	
1)EMPEE DISTILLERIES LTD., A EMPEE TOWERS, NO. 59, HARRI NADU, INDIA			
DATE OF REGISTRATION	26	5/02/2014	
TITLE	E		
PRIORITY NA			
DESIGN NUMBER		262301	
CLASS		12-11	
1) <b>PIAGGIO &amp; C. S.P.A., A CORPO</b> <b>UNDER THE LAWS OF ITALY, OF</b> VIALE RINALDO PIAGGIO, 25-50			
DATE OF REGISTRATION	02	2/05/2014	of opping
TITLE	МОТС		
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		
002337865	04/11/2013 OHIM		

DESIGN NUMBER	258218	
CLASS	12-05	
HAVING PARTNERS 1. MI SABIRBHAI ISMAILSHA I SHAHAMDAR, HAVING R PLOT NO. 192, KUVADA HIGHWAY, AT. KUVADAV	AVA G.I.D.C., RAJKOT-AHMEDABAD A, DIST. RAJKOT, GUJARAT	2. MR.
DATE OF REGISTRATION		
TITLE PRIORITY NA	BUCKET ELEVATOR	
DESIGN NUMBER	259961	
CLASS	12-16	A
	<b>ED, AN INDIAN COMPANY OF</b> DMI MODY STREET, HUTATMA MAHARASHTRA, INDIA	
DATE OF REGISTRATION	31/01/2014	
TITLE	GLOVE BOX GARNISH OF A VEHIC	LE
PRIORITY NA		PROPERTING NEW
DESIGN NUMBER	260137	
CLASS	16-06	
B-42, INDUSTRIAL EST	<b>LIMITED, WHOSE ADDRESS IS</b> ATE, SANATHNAGAR, HYDERABAD- I AND WHOSE NATIONALITY IS	
DATE OF REGISTRATION	05/02/2014	
TITLE	OPTICAL ASSEMBLY FOR GUN SIGHT ALIGNMENT	
PRIORITY NA		Color.

DESIGN NUMBER	259383				
CLASS	ASS 13-03				
1)CONA INDUSTRIES, 20/21, NIR CAVES ROAD, ANDHERI EAST, M INDIAN SOLE PROPRIETORY FIR NARAINDAS MOTWANI, AN INDIAN NATIONAL, RESIDE MUMBAI 400054, MAHARASHTRA,					
DATE OF REGISTRATION	15/01/2014	tu l			
TITLE	BULB HOLDER	Р			
PRIORITY NA					
DESIGN NUMBER	261277				
CLASS	31-00				
1)S. DEEPALAKSHMI AND B. SRI ADDRESS IS OLD NO: 57, NEW NO: 129, BARA 641004, TAMILNADU, INDIA					
DATE OF REGISTRATION	27/03/2014	14			
TITLE	TABLE TOP WET GRINDER				
PRIORITY NA					
DESIGN NUMBER	262042				
CLASS	05-05				
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S REU RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA.					
DATE OF REGISTRATION	25/04/2014	A CHARLES AND A CHARLES AND			
TITLE	TEXTILE FABRIC				
PRIORITY NA					

DESIGN NUMBER	262153	
CLASS	25-02	
1)(1) UCHHADIYA JAYANTILAL JAYANTILAL (3) UCHHADIYA MA JAYANTILAL ALL INDIAN NATIO INTERIORS HAVING OUR PLACE "VRINDAVAN", SILVER STONE PARTY PLOT, OSCAR TOWER ROA		
DATE OF REGISTRATION	30/04/2014	
TITLE	CASEMENT WINDOW	
PRIORITY NA		
DESIGN NUMBER	260473	
CLASS	25-02	
BUSINESS	<b>COMPANIES ACT, 1956, HAVING PLACE OF</b> G COMPLEX, PROJECT-II, BREWERY ROAD, ), INDIA	
DATE OF REGISTRATION	19/02/2014	Contraction of the Contraction of the Contraction
TITLE	FRAME FOR CEILING SYSTEM	
PRIORITY NA		
DESIGN NUMBER	261676	
CLASS	08-06	
V. METAL AN INDIAN PROPRIET PLACE OF BUSINESS AT ADDRES	GAR, OPP. BHALALA ENG. STREET, 80 FEET	
DATE OF REGISTRATION	10/04/2014	
TITLE	HANDLE	
PRIORITY NA		

DESIGN NUMBER		258024	
CLASS		24-02	
1)KARL STORZ GMBH & CO. KO MITTELSTRASSE 8, D-78532 TU			•
DATE OF REGISTRATION	0′	7/11/2013	
TITLE		UMENT FOR DILATING S STRUCTURES	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
002235143-0002	10/05/2013	OHIM	
DESIGN NUMBER		259770	
CLASS		15-02	6
1)CAPRARI S.P.A., VIA EMILIA OVEST, 900, 41123 N	MODENA, ITALY, NA	TIONALITY: ITALY	
DATE OF REGISTRATION	28	3/01/2014	
TITLE		PUMP	
PRIORITY			ELELE
PRIORITY NUMBER	DATE	COUNTRY	191
002287706	06/08/2013	OHIM	
DESIGN NUMBER		262039	
CLASS		05-05	
1)M/S. BIBA APPARELS PRIVAT COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA.	<b>ER THE PROVISION GISTERED OFFICE</b> T HANUMAN SILK N	N OF THE COMPANIES AT /IILL COMPOUND,	
DATE OF REGISTRATION	2:	5/04/2014	1 9 9 9 W
TITLE	TEXT	TILE FABRIC	
PRIORITY NA			and the second

DESIGN NUMBER		260676	
CLASS		08-06	
1)KISHORBHAI V. RAKHOLIYA OF SHREE RAM INDUSTRIES AN I ITS PRINCIPAL PLACE OF BUSINI AT "JAGRUTI" 2, PATEL NAGA GUJARAT-INDIA.	INDIAN PROPRIET ESS	ORSHIP FIRM HAVING	
DATE OF REGISTRATION	2	28/02/2014	
TITLE		HANDLE	-
PRIORITY NA			
DESIGN NUMBER		261094	
CLASS		14-01	
1)BANG & OLUFSEN A/S, A DAN ADDRESS PETER BANGS VEJ 15, 7600 STR		ED COMPANY OF THE	R
DATE OF REGISTRATION	1	19/03/2014	
TITLE	LOUDSPEAKER		
PRIORITY		COUNTRN	
PRIORITY NUMBER	DATE	COUNTRY	
DA 2013 00066	20/09/2013	DENMARK	
			$\bigvee$
DESIGN NUMBER		256786	_
CLASS		07-05	
1)SATA GMBH & CO. KG, OF DOMERTALSTRASSE 20, 70806 F GERMANY; GERMAN COMPANY	KORNWESTHEIM, D	DEUTSCHLAND,	
DATE OF REGISTRATION	25/09/2013		
TITLE	DISPENSER FO	OR PAINT CUP SYSTEM	
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		
002226357	24/04/2013	OHIM	
1			

DESIGN NUMBER		258482	
CLASS		12-16	
1)NISSAN JIDOSHA KABUSHI MOTOR CO., LTD.), A JAPANESI UNDER THE LAWS OF JAPAN O NO. 2 TAKARACHO, KANAGA JAPAN			
DATE OF REGISTRATION	29	9/11/2013	
TITLE	FRONT FENDE	ER FOR AUTOMOBILE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
2013-012373	03/06/2013	JAPAN	
DESIGN NUMBER		259722	
CLASS		12-08	
330 TOWN CENTER DRIVE, SU	JITE 800, DEARBORN M	MICHIGAN-48126, UNITE	ED
330 TOWN CENTER DRIVE, SU STATES OF AMERICA DATE OF REGISTRATION	· - I	MICHIGAN-48126, UNITE 7/01/2014	ED Contraction of the second s
STATES OF AMERICA	2'		
STATES OF AMERICA DATE OF REGISTRATION TITLE PRIORITY	2' FOUR WH	7/01/2014 IEELED VEHICLE	
STATES OF AMERICA DATE OF REGISTRATION TITLE	2'	7/01/2014	
STATES OF AMERICA DATE OF REGISTRATION TITLE PRIORITY	2' FOUR WH	7/01/2014 IEELED VEHICLE	
STATES OF AMERICA DATE OF REGISTRATION TITLE PRIORITY PRIORITY NUMBER	2' FOUR WH DATE 09/08/2013	7/01/2014 IEELED VEHICLE COUNTRY	
STATES OF AMERICA DATE OF REGISTRATION TITLE PRIORITY PRIORITY NUMBER 201330379950.6	2' FOUR WH DATE 09/08/2013	7/01/2014 IEELED VEHICLE COUNTRY CHINA	
STATES OF AMERICA DATE OF REGISTRATION TITLE PRIORITY PRIORITY NUMBER 201330379950.6 DESIGN NUMBER	2'       FOUR WH       DATE       09/08/2013   TE LIMITED, AN INDIVIDER THE PROVISION REGISTERED OFFICE OAT HANUMAN SILK MONTHER SILK MO	7/01/2014 EELED VEHICLE COUNTRY CHINA 262035 05-05 IAN PRIVATE LIMITEI N OF THE COMPANIES AT MILL COMPOUND,	
STATES OF AMERICA DATE OF REGISTRATION TITLE PRIORITY PRIORITY NUMBER 201330379950.6 DESIGN NUMBER CLASS 1)M/S. BIBA APPARELS PRIVA COMPANY INCORPORATED UN ACT, 1956, AND HAVING ITS'S R RELIABLE HOUSE, SITUATED KANJURMARG (WEST), OPP. HUM	2'         FOUR WH         DATE         09/08/2013         TE LIMITED, AN IND         DER THE PROVISION         REGISTERED OFFICE         0 AT HANUMAN SILK M         MA MALL, MUMBAI-40	7/01/2014 EELED VEHICLE COUNTRY CHINA 262035 05-05 IAN PRIVATE LIMITEI N OF THE COMPANIES AT MILL COMPOUND,	
STATES OF AMERICA DATE OF REGISTRATION TITLE PRIORITY PRIORITY NUMBER 201330379950.6 DESIGN NUMBER CLASS 1)M/S. BIBA APPARELS PRIVA COMPANY INCORPORATED UN ACT, 1956, AND HAVING ITS'S R RELIABLE HOUSE, SITUATED KANJURMARG (WEST), OPP. HUN INDIA.	2'       FOUR WH       DATE       09/08/2013   TE LIMITED, AN INDER THE PROVISION REGISTERED OFFICE OAT HANUMAN SILK MMA MALL, MUMBAI-40	7/01/2014 EELED VEHICLE COUNTRY CHINA 262035 05-05 IAN PRIVATE LIMITEI N OF THE COMPANIES AT MILL COMPOUND, 00 078 MAHARASHTRA,	

DESIGN NUMBER		262066	
CLASS		05-05	
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA.	<b>ER THE PROVISION</b> G <b>ISTERED OFFICE</b> T HANUMAN SILK M	I <b>OF THE COMPANIES</b> AT IILL COMPOUND,	A CONTRACTOR
DATE OF REGISTRATION	25	//04/2014	
TITLE	TEXT	ILE FABRIC	
PRIORITY NA			
DESIGN NUMBER		260424	
CLASS		15-04	
1)JOSEPH VÖGELE AG, OF JOSEPH-VÖGELE-STR. 1, 67067 I NATIONALITY: GERMAN	UDWIGSHAFEN/RHI	EIN, GERMANY;	1000
DATE OF REGISTRATION	17	//02/2014	0.0.0
TITLE		EL FOR ROAD PAVING ACHINE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
001393011	29/11/2013	OHIM	
DESIGN NUMBER		260500	
CLASS		12-15	
1)METRO TYRES LIMITED, A CO INDIAN COMPANIES ACT, 1956, N ADDRESS: C-49, SECTOR-62, NOIDA-201307	ATIONALITY- INDIA		
DATE OF REGISTRATION	20	/02/2014	
TITLE		TYRE	
PRIORITY NA			

DESIGN NUMBER		2608	301	
CLASS		09-	07	
1)RECKITT BENCKISER (BRA 103-105 BATH ROAD, SLOUG				
DATE OF REGISTRATION		05/03/	2014	
TITLE	DIS	DISPENSER FOR AN ADHESIVE COMPOSITION		
PRIORITY				
PRIORITY NUMBER	DATE		COUNTRY	
002304055	06/09/2	.013	OHIM	
DESIGN NUMBER		2610	)55	
CLASS		09-	01	AND DESCRIPTION OF THE OWNER OF T
1)CATENA PERSONAL CARE NO. 10, SOUTH CANAL BANK NATIONALITY: INDIAN				
DATE OF REGISTRATION		19/03/	2014	
TITLE		BOTTLE		
PRIORITY NA				
DESIGN NUMBER		2624	460	
CLASS		14-	03	$\sim$
1)SAMSUNG ELECTRONICS O 129, SAMSUNG-RO, YEONGT REPUBLIC OF KOREA, A COMPA	ONG-GU, SUW			
DATE OF REGISTRATION	07/05/2014			
TITLE		TELEV	ISION	
PRIORITY				
PRIORITY NUMBER	DATE	COUNTRY		
30-2014-0000233	02/01/2014	REPUBLIC	OF KOREA	

DESIGN NUMBER	261629	
CLASS	15-03	0
	<b>PRIVATE LIMITED OF</b> DB INDL AREA, BOMMASANDRA, E OF KARNATAKA, INDIA, AN INDIAN	
DATE OF REGISTRATION	09/04/2014	
TITLE	GRAIN PRE-CLEANER	
PRIORITY NA		
DESIGN NUMBER	259306	
CLASS	06-01	
	F 4/3, NEAR RAKHOLI BRIDGE, SILVASSA VASONA, SILVASSA ( D & N. H.), (U. T.),	
DATE OF REGISTRATION	09/01/2014	
TITLE	CHAIR	
PRIORITY NA		
DESIGN NUMBER	259909	
CLASS	12-16	
	<b>D, AN INDIAN COMPANY OF</b> MI MODY STREET, HUTATMA CHOWK, SHTRA, INDIA	
DATE OF REGISTRATION	31/01/2014	]
TITLE	PARCEL TRAY OF A VEHICLE	
PRIORITY NA		

DESIGN NUMBER		260140	
CLASS		15-03	
1)MILLTEC MACHINERY PRIVA NO. 51-A, 1ST PHASE KIADB INI 099, STATE OF KARNATAKA, INDIA			
DATE OF REGISTRATION	0	5/02/2014	
TITLE	RICE GRA	AIN SEPARATOR	
PRIORITY NA			
DESIGN NUMBER		262063	
CLASS		05-05	~~~~~~~~~~
<b>COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES</b> <b>ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT</b> RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400 078 MAHARASHTRA, INDIA.			
DATE OF REGISTRATION	2	5/04/2014	
TITLE	TEXT	FILE FABRIC	
PRIORITY NA			
DESIGN NUMBER		260416	
CLASS		15-04	
1) <b>JOSEPH VÖGELE AG, OF</b> JOSEPH-VÖGELE-STR. 1, 67067 I NATIONALITY: GERMAN	LUDWIGSHAFEN/RH	IEIN, GERMANY;	
DATE OF REGISTRATION	1	7/02/2014	000
TITLE		EL FOR ROAD PAVING IACHINE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
001393011	29/11/2013	OHIM	

DESIGN NUMBER	261005			
CLASS				
1)KEMKOLL INDUSTRIES LTD., INCORPORATED IN INDIA UNDEI PRINCIPAL PLACE OF BUSINESS PARK, NEAR DIVYA BHASKAR, S. INDIA AND HAVING DIRECTORS RESIDING AT "KRISHNA" SILVE ROAD, OPP. BIG BAZAR, RAJKOT KAMANI, "SWEET PRESET", SILV 150 FEET RING ROAD, RAJKOT, G TIMBADIYA, RESIDING AT "SHREENATHJI" SANKET PARI RING ROAD, RAJKOT, GUJARAT, IN DATE OF REGISTRATION TITLE				
PRIORITY NA				
DESIGN NUMBER	261082			
CLASS				
1)MA DESIGN INDIA PRIVATE L INDIA HAVING ITS PRINCIPAL PI A-41, SECTOR-80, PHASE-II, NOI				
DATE OF REGISTRATION				
TITLE	SPOON (FOR SUGAR)			
PRIORITY NA		~		
DESIGN NUMBER	262036			
CLASS	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA.				
DATE OF REGISTRATION	25/04/2014	N 6. 8. 8.		
TITLE TEXTILE FABRIC				
PRIORITY NA				

DESIGN NUMBER		256376		
CLASS		23-01	-	
1)FLEXITUFF INTERNATIONAL UNDER THE INDIAN COMPANIES PIPALGAON ROAD, NEAR IDGA KASHIPUR-244713, DIST. UDHAMSI	Cal Changengangangangangangangangangangangangangan			
DATE OF REGISTRATION	1	1/09/2013	(I ) SUSSE	
TITLE	DRIPPER FOR WTA	ATERING AGRICULTURAL LAND	- Indus	
PRIORITY NA				
DESIGN NUMBER		261904		
CLASS		08-06		
JERAMBHAI LILA (BOTH THE PA PARTNERS OF KRISHA METAL (I PLACE OF BUSINESS AT- 6, PARSANA SOCIETY, 50, F GUJARAT-(INDIA)	NDIAN PARTNERS	HIP FIRM) HAVING		
DATE OF REGISTRATION	2	2/04/2014		
TITLE	HANDLE			
PRIORITY NA				
DESIGN NUMBER		256743		
CLASS		08-05		
1)SATA GMBH & CO. KG, OF DOMERTALSTRASSE 20, 70806 I GERMAN COMPANY				
DATE OF REGISTRATION	2	4/09/2013		
TITLE		TAINER DISPENSERS OF CUP SYSTEM		
PRIORITY				
PRIORITY NUMBER	PRIORITY NUMBER DATE COUNTRY			
002218867	11/04/2013	OHIM		

DESIGN NUMBER		261630		
CLASS		15-03	20	11
ROAD, IKOLAHA, TEHS (PUNJAB), INDIA,	SIL-KHANI FIRM WHO	DSE PROPRIETOR IS S. M	100	
DATE OF REGISTRATION		09/04/2014		
TITLE		PADDY REAPER	V	
PRIORITY NA				
DESIGN NUMBER		259079		
CLASS		13-03		
1)CROMPTON GREAV CG HOUSE, 6TH FLOO WORLI, MUMBAI - 40003 INDIAN COMPANY	OR, DR. AN	NIE BESANT ROAD,	4	
DATE OF REGISTRATION		27/12/2013	and the second second	CALL PROPERTY OF
TITLE	HOUS	ING FOR ELECTRONIC BALLAST		
PRIORITY NA			Shipe mul	
DESIGN NUMBER		262	037	
CLASS		05-	-05	
COMPANY INCORPORA	ATED UND G ITS'S RE TUATED A	GISTERED OFFICE AT T HANUMAN SILK MIL	F <b>THE COMPANIES</b> L COMPOUND,	
DATE OF REGISTRATI	ON	25/04	/2014	()
TITLE		TEXTILE	FABRIC	1 E
PRIORITY NA				

DESIGN NUMBER		260911	
CLASS		09-01	0
1) <b>PEPSICO, INC., INCORPORATE</b> 700 ANDERSON HILL ROAD, PUI OF AMERICA			
DATE OF REGISTRATION	11	1/03/2014	
TITLE	E	BOTTLE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	E
29/466,801	11/09/2013	U.S.A.	S P
DESIGN NUMBER		258368	
CLASS		12-16	
1)DAIMLER INDIA COMMERCIA INDIAN COMPANY INCORPORAT OF UNIT 201, 2ND FLOOR CAMP 143, DR. MGR ROAD, PERUNGUDI, (	<b>ED UNDER THE LA</b> US 3B, RMZ MILLEN	WS OF INDIA, INIA BUSINESS PARK NO.	T
DATE OF REGISTRATION		5/11/2013	
TITLE	PANEL FOR CA	ABIN OF A VEHICLES	
PRIORITY			-
PRIORITY NUMBER	DATE	COUNTRY	tr.
002244368-0001	27/05/2013	OHIM	
DESIGN NUMBER		254157	
CLASS		24-02	
1) <b>DR. SATISH SRINIVAS KITAMI</b> 10-2-311, PLOT 187, RD7, WESTM ANDHRA PRADESH, INDIA			
DATE OF REGISTRATION	29	9/05/2013	Y
TITLE	MICROIN	JECTION MOLD	
PRIORITY NA			

DESIGN NUMBER		262014	
CLASS		05-05	and the lot of the second second
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S REURELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA.	<b>ER THE PROVISIO</b> GISTERED OFFICE T HANUMAN SILK	N OF THE COMPANIES AT MILL COMPOUND,	
DATE OF REGISTRATION	2	5/04/2014	
TITLE	TEXT	ΓILE FABRIC	
PRIORITY NA			
DESIGN NUMBER		262311	
CLASS		25-01	and a second
1)SHIVA INDUSTRIES, AN INDIA PROPRIETOR IS RAKESH JHINGA SHED NO. 33, D.S.I.D.C., SCHEMI NEW DELHI-110020, INDIA DATE OF REGISTRATION TITLE PRIORITY NA	AN, HAVING OFFIC	FRONT VIEW	
DESIGN NUMBER		259039	
CLASS		12-15	
1)COMPAGNIE GENERALE DES COMPANY OF 12 COURS SABLON AND MICHELIN RECHERCHE ET ROUTE LOUIS-BRAILLE 10-CH-1763			
DATE OF REGISTRATION	2	7/12/2013	
TITLE		TIRE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
002281758-0001	26/07/2013 OHIM		

DESIGN NUMBER		260418	
CLASS		15-04	
1)JOSEPH VÖGELE AG, OF JOSEPH-VÖGELE-STRE 1, 6706 NATIONALITY: GERMAN	7 LUDWIGSHAFEN/	RHEIN, GERMANY;	
DATE OF REGISTRATION	1	7/02/2014	100 A 20 0
TITLE		IEL FOR ROAD PAVING MACHINE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
001393011	29/11/2013	OHIM	
DESIGN NUMBER		260498	
CLASS		12-15	
1)METRO TYRES LIMITED, A C INDIAN COMPANIES ACT, 1956, N ADDRESS: C-49, SECTOR-62, NOIDA-20130'	ATIONALITY- IND		
DATE OF REGISTRATION	2	20/02/2014	
TITLE		TYRE	
PRIORITY NA			
DESIGN NUMBER		262032	
CLASS		05-05	10 An An An An An
1)M/S. BIBA APPARELS PRIVAT COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUM INDIA.	ER THE PROVISIO GISTERED OFFICE AT HANUMAN SILK	N OF THE COMPANIES AT MILL COMPOUND,	
DATE OF REGISTRATION	2	25/04/2014	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
TITLE	TEX	TILE FABRIC	
PRIORITY NA			

DESIGN NUMBER	262064	
CLASS	05-05	
COMPANY INCORPORATED ACT, 1956, AND HAVING ITS RELIABLE HOUSE, SITUAT	IVATE LIMITED, AN INDIAN PRIVATE I OUNDER THE PROVISION OF THE COM IS REGISTERED OFFICE AT FED AT HANUMAN SILK MILL COMPOUN HUMA MALL, MUMBAI-400 078 MAHARA 25/04/2014 TEXTILE FABRIC	PANIES ND,
PRIORITY NA		
DESIGN NUMBER	260753	
CLASS	07-07	
TAHASIL HAROLI, DISTRICT DATE OF REGISTRATION TITLE PRIORITY NA	ND 228, VILLAGE VELA BATHRI, UNA-732141, HIMACHAL PRADESH 03/03/2014 WATER MUG	
DESIGN NUMBER	261006	
CLASS	15-09	
1)SUKHWINDER SINGH S/C H. NO9, ISHER NAGAR, B COLLEGE, LUDHIANA (PB.) II	LOCK-C, CANAL SIDE, BACKSIDE GNE	
DATE OF REGISTRATION	17/03/2014	
TITLE	WOOD WORKING MACHINE	
PRIORITY NA		

DESIGN NUMBER	2	62458	
CLASS	(	TD	
1)UNILEVER PLC, A COMPANY UNDER COMPANY NO. 41424 OF UNILEVER HOUSE, 100 VICTOR UNITED KINGDOM			
DATE OF REGISTRATION	07/	05/2014	
TITLE	CON	TAINER	
PRIORITY			11
PRIORITY NUMBER	DATE	COUNTRY	
002342923-0001	11/11/2013	OHIM	$\subseteq$
DESIGN NUMBER	2	59700	
CLASS	<u></u>	26-06	
UNDER THE COMPANIES ACT, HA AT 34, COMMUNITY CENTRE, B 057 DATE OF REGISTRATION TITLE PRIORITY NA	ASANT LOK, VASANT	T VIHAR, NEW DELHI-110 01/2014 DR MOTORCYCLES	
DESIGN NUMBER	2	59522	
CLASS		28-04	0
1)MANSA DEVI BHARADWAJ., (I ROOM NO. 1, KALAVATI BHAV. COMPOUND, JAWAHAR NAGAR, K MAHARASHTRA (INDIA)	AN, BABU SHETH CHA	AWL, SHANTILAL	
DATE OF REGISTRATION	20/	01/2014	
TITLE	HAIF	R PLAITS	
PRIORITY NA			

DESIGN NUMBER		261304	
CLASS		15-03	Contraction of the second seco
1)MILLTEC MACHINERY PRIVA NO. 51-A, 1ST PHASE KIADB INI 099, STATE OF KARNATAKA, INDIA			
DATE OF REGISTRATION		27/03/2014	
TITLE	RIC	E WHITENER	
PRIORITY NA			
DESIGN NUMBER		262029	
CLASS		05-05	
RELIABLE HOUSE, SITUATED A	TEXTILE FABRIC		
DESIGN NUMBER		260493	
CLASS		12-08	
1)CHONGQING CHANGAN AUTO OF NO. 260 JIANXIN DONGLU, JIAN CHINA			
DATE OF REGISTRATION		20/02/2014	
TITLE		CAR	
PRIORITY		COLINEDY	
PRIORITY NUMBER	DATE	COUNTRY	_
201330403138.2	22/08/2013	CHINA	

DESIGN NUMBER		260789	
CLASS		26-06	
1)VIGNAL SYSTEMS, A COMPAN FRANCE, OF 12 RUE EUGÈNE HENAFF, 69			
DATE OF REGISTRATION	0.	5/03/2014	
TITLE	LIGHTING DE	VICE FOR VEHICLES	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
002 306 845	11/09/2013	OHIM	
DESIGN NUMBER		260963	
CLASS		14-01	
1)SONY CORPORATION, A COR UNDER THE LAWS OF JAPAN, OF 1-7-1 KONAN, MINATO-KU, TOP	XYO, JAPAN		
DATE OF REGISTRATION	14	4/03/2014	
TITLE	SPEAR	KER FOR CAR	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
201330649235.X	26/12/2013 CHINA		
DESIGN NUMBER		261000	
CLASS		12-11	
1)KATAYAMA KOGYO CO., LTE OKAYAMA 7158502, JAPAN, A CORPORATION DULY ORGAN			
DATE OF REGISTRATION	14	4/03/2014	
TITLE	T	RICYCLE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
2013-021445	17/09/2013	JAPAN	

DESIGN NUMBER		259695				
CLASS	26-06					
1)HERO MOTOCORP LIN UNDER THE COMPANIES 34, COMMUNITY CENTR 110057 DATE OF REGISTRATION	ACT, E	IAVING ITS C	OFFI ASAN	CE AT		
				OR MOTORCY		- AON
TITLE		WINK	EK F	OR MOTORC I	LES	
PRIORITY NA						
DESIGN NUMBER			25876	58		
CLASS			12-12	2		
1)FERNO-WASHINGTON, 70, WEIL WAY, WILMING AMERICA, A CORPORATION	GTON,	OHIO 45177, U				A
DATE OF REGISTRATION		16	5/12/2	013		
TITLE		PATIENT TR	ANSI	PORT DEVICE	-	
PRIORITY PRIORITY NUMBER 29/442,947		DATE 17/06/2013		COUNTRY U.S.A.		Z
DESIGN NUMBER		258	970		5.10	
CLASS		23-	-03			
1)DOW GLOBAL TECHNO ORGANIZED AND EXISTIN OF DELAWARE, AND HAV BUSINESS AT 2040 DOW CENTER, N STATES OF AMERICA DATE OF REGISTRATION	IG UNI ING A	DER THE LAV N OFFICE AN	WS O ID PI IN 48	<b>F THE STATE</b> L <b>ACE OF</b> 674, UNITED		2.20
TITLE		ANCHOR BLOCK FOR PHOTOVOLTAIC MODULE		A	R R	
PRIORITY PRIORITY NUMBER 201330291898.9		DATE 8/06/2013	_	DUNTRY IINA		SAL

DESIGN NUMBER	2	259060	
CLASS		23-04	
1)GREE ELECTRIC APPLIANCE ORGANIZED AND EXISTING UND OF QIANSHAN JINJI WEST ROA CHINA	ER THE LAWS OF P.	R. CHINA	( in an in the second
DATE OF REGISTRATION	27	/12/2013	
TITLE	AIR CONE	ITIONER CASE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
201330308055.5	04/07/2013	CHINA	
DESIGN NUMBER	2	261204	
CLASS		15-99	
AND EXISTING UNDER THE LAW OF 6-6, MINATOJIMA MINAMIM HYOGO 650-0047, JAPAN DATE OF REGISTRATION	IACHI 4-CHOME, CHU	O-KU, KOBE-SHI, /03/2014	
TITLE	ELECTROSTATIC DU	JST REMOVAL MACHINE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	- Contraction -
2013-022236	25/09/2013	JAPAN	
DESIGN NUMBER	2	262028	
CLASS		05-05	
1)M/S. BIBA APPARELS PRIVAT COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA.			
DATE OF REGISTRATION	25.	/04/2014	
TITLE	TEXT	LE FABRIC	
PRIORITY NA			

DESIGN NUMBER	250	5263	
CLASS	14	-03	
1)SOCIÉTÉ BIC, ORGANIZED U FRANCE, AND HAVING A PLACI 14 RUE JEANNE D'ASNIÈRES,			
DATE OF REGISTRATION	06/09/	2013	
TITLE	NTEGRATED FUEL	ELECTRONIC DEVICE CELL DEVICE	•
PRIORITY		- 1	
PRIORITY NUMBER	DATE	COUNTRY	
29/448,036	08/03/2013	U.S.A.	
DESIGN NUMBER	260	)962	
CLASS	14	-01	
1)SONY CORPORATION, A COL UNDER THE LAWS OF JAPAN, O 1-7-1 KONAN, MINATO-KU, TO			
DATE OF REGISTRATION	14/03	3/2014	
TITLE	SPEAKER		
PRIORITY			
PRIORITY NUMBER	 DATE	COUNTRY	
201330649235.X	26/12/2013	CHINA	
DESIGN NUMBER	263	076	
CLASS	07	-01	
1)MA DESIGN INDIA PRIVATE INDIA HAVING ITS PRINCIPAL A-41, SECTOR-80, PHASE-II, NO			
DATE OF REGISTRATION	19/03	3/2014	
TITLE	FL.	ASK	
PRIORITY NA			

DESIGN NUMBER			261570	
CLASS			22-06	$\frown$
1) <b>RECKITT BENCKISER</b> 103-105 BATH ROAD, SL				
DATE OF REGISTRATION		07	7/04/2014	
TITLE		INSECT RE	PELLENT DEVICE	
PRIORITY PRIORITY NUMBER		DATE	COUNTRY	N M
002332890-0001		24/10/2013	OHIM	
			1	
DESIGN NUMBER			261620	
CLASS			09-01	-
V2 CORP., A PARTNERSHI MERCHANTS, WHOSE AD WZ-8/1, INDUSTRIAL AF DATE OF REGISTRATION TITLE PRIORITY NA	DRESS IS	S FI NAGAR, NEW DE		
DESIGN NUMBER		25	i9694	
CLASS 26-06				-
1)HERO MOTOCORP LIN UNDER THE COMPANIES 34, COMMUNITY CENTR 110057				
DATE OF REGISTRATION		27/01/2014		
TITLE	T	AIL-LIGHT LENS FC	R MOTORCYCLE	
PRIORITY NA				

DESIGN NUMBER		259799	
CLASS		09-01	
1)PARIS PERFUMES & COSME COMPANY INCORPORATED UN BARODA-JAMBUSAR N. H. W. 391440, DIST. BARODA (GUJARA'	<b>DER THE COMPAN</b> AY ROAD, AT & PO.	NES ACT 1956	
DATE OF REGISTRATION		29/01/2014	
TITLE	(	CONTAINER	
PRIORITY NA			
DESIGN NUMBER		258767	
CLASS		12-12	
1)FERNO-WASHINGTON, INC. 70, WEIL WAY, WILMINGTON A CORPORATION OF THE STATE	, OHIO 45177, UNITE OF OHIO		
DATE OF REGISTRATION		5/12/2013	
TITLE	PATIENT TR	ANSPORT DEVICE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/442,947	17/06/2013	U.S.A.	~
DESIGN NUMBER		259053	
CLASS		14-03	
1)NOKIA CORPORATION, A FI OF THE ADDRESS KEILALAH		'ION,	
DATE OF REGISTRATION		27/12/2013	// ///
TITLE	M	OBILE PHONE	
PRIORITY PRIORITY NUMBER 29/462130	DATE 31/07/2013	COUNTRY U.S.A.	

DESIGN NUMBER	260496	
CLASS	09-01	
1)DHARAMPAL SATYAPAL SON UNDER THE INDIAN COMPANIES A-85/86, SECTOR-02, NOIDA-201		
DATE OF REGISTRATION	20/02/2014	
TITLE	BOTTLE	A 1
PRIORITY NA		
DESIGN NUMBER	262030	
CLASS	05-05	
	GISTERED OFFICE AT AT HANUMAN SILK MILL COMPOUND, A MALL, MUMBAI-400 078 MAHARASHTRA,	
DATE OF REGISTRATION	25/04/2014	
TITLE	TEXTILE FABRIC	RAANIAKAAA
PRIORITY NA		
DESIGN NUMBER	260835	
CLASS	13-99	
1)LUMINOUS POWER TECHNOI PLOT-300, 2ND FLOOR, UDYOG 122016 (INDIA) AN INDIAN COMPA	VIHAR, PHASE-II, GURGAON, HARYANA-	DEED O
DATE OF REGISTRATION	07/03/2014	
TITLE	UNINTERUPTIBLE POWER SUPPLY	
PRIORITY NA		

DESIGN NUMBER		256279	
CLASS	09-05		
1)GLAXO GROUP LIMITED, 980 GREAT WEST ROAD, BREN KINGDOM	TFORD, MIDDLESEX,	, TW89GS, UNITED	
DATE OF REGISTRATION	06	5/09/2013	)
TITLE	]	POUCH	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
4030028	22/05/2013	U.K.	
DESIGN NUMBER		261081	
CLASS		07-06	
A-41, SECTOR-80, PHASE-II, NO DATE OF REGISTRATION TITLE PRIORITY NA	ACE OF BUSINESS AT DA-201305, U.P. INDIA. 19/03/2014 CONTAINER (FOR SUGAR)		
DESIGN NUMBER		261572	
CLASS	12-11		
1)TUBE INVESTMENTS OF INDI INCORPORATED UNDER THE CC PRINCIPAL PLACE OF BUSINESS "DARE HOUSE", 234, N. S. C. E TAMIL NADU, INDIA	OMPANIES ACT OF 1 AT	913, HAVING ITS	
DATE OF REGISTRATION	07/04/2014		
TITLE	FRAME FOR BICYCLE		
PRIORITY NA			

DESIGN NUMBER	259696	
CLASS	26-06	
UNDER THE COMPANIES ACT, H	AN INDIAN COMPANY INCORPORATED AVING ITS OFFICE AT ANT LOK, VASANT VIHAR, NEW DELHI-110	Ra-
DATE OF REGISTRATION	27/01/2014	
TITLE	TAIL LIGHT FOR MOTORCYCLES	
PRIORITY NA		
DESIGN NUMBER	259903	
CLASS	12-16	
1) <b>TATA MOTORS LIMITED, AN</b> BOMBAY HOUSE, 24 HOMI MOI 001, MAHARASHTRA, INDIA	INDIAN COMPANY OF DY STREET, HUTATMA CHOWK, MUMBAI 400	
DATE OF REGISTRATION	31/01/2014	PERSPECTIVE
TITLE	PARCEL SHELF OF A VEHICLE	
PRIORITY NA		
DESIGN NUMBER	259473	
CLASS	31-00	
VISION INDUSTRY (INDIA), (AN I	IAN NATIONAL, SOLE PROPRIETOR OF NDIAN SOLE PROPRIETARY FIRM) NA, INDUSTRIAL AREA, NEW DELHI-110039,	A
DATE OF REGISTRATION	17/01/2014	
TITLE	MIXER	
PRIORITY NA		

DESIGN NUMBER	262027	
CLASS	05-05	
COMPANY INCORPORATED ACT, 1956, AND HAVING ITS'S RELIABLE HOUSE, SITUAT	VATE LIMITED, AN INDIAN PRIVATE UNDER THE PROVISION OF THE COM S REGISTERED OFFICE AT ED AT HANUMAN SILK MILL COMPOU UMA MALL, MUMBAI-400 078 MAHAR. 25/04/2014	APANIES ND,
TITLE	TEXTILE FABRIC	
PRIORITY NA		aller parties martines
DESIGN NUMBER	261075	
CLASS	07-06	
BUSINESS AT A-41, SECTOR-80, PHASE-II, DATE OF REGISTRATION TITLE PRIORITY NA	19/03/2014 NAPKIN HOLDER	
DESIGN NUMBER	259223	
CLASS 1)HARJEET SINGH, Q 8, RAJOURI GARDEN, NE OF ABOVE ADDRESS	02-02 W DELHI-110027 INDIA AN INDIAN NAT	TIONAL
DATE OF REGISTRATION	03/01/2014	
TITLE	SHIRT	
PRIORITY NA		

DESIGN NUMBER		258968	
CLASS	23-03		
1)DOW GLOBAL TECHNOLOGI EXISTING UNDER THE LAWS OF AND HAVING AN OFFICE AND MIDLAND, MICHIGAN 48674, UNIT	THE STATE OF DEP PLACE OF BUSINESS	LAWARE, S AT 2040 DOW CENTER,	
DATE OF REGISTRATION	24/12/2013		
TITLE	CORNER CONNECTOR FOR A PHOTOVOLTAIC MODULE FRAME		
PRIORITY			
PRIORITY NUMBER	DATE COUNTRY		
201330292191.X	28/06/2013 CHINA		