पेटेंट कार्यालय शासकीय जर्नल

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DATE: 12/06/2015

पेटंट 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 01st 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.

(Rajiv Aggarwal) CONTROLLER GENERAL OF PATENTS, DESIGNS & TRADE MARKS

12 JUNE, 2015

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THE PATENT OFFICE KOLKATA, 12/06/2015

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पेटेंट कार्यालय

कोलकाता, दिनांक 12/06/2015

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			ई. मेल: chennai-patent@nic.in
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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
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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।

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.

(Rajiv Aggarwal) 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 18th 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.

Early Publication:

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(12) PATENT APPLICATION PUBLICATION (21) Application No.1174/DEL/2015 A

(19) INDIA

(22) Date of filing of Application :28/04/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: USE OF NANOTUBES TO TRANSFORM HIGH TEMPERATURE LIQUID CRYSTALS

(71) T	G03E1/1330	(71) 1
(51) International classification	:G02F1/1339	(71)Name of Applicant:
(31) Priority Document No	:NA	1)KHOSLA SAMRITI
(32) Priority Date	:NA	Address of Applicant :DAV UNIVERSITY, VILLAGE
(33) Name of priority country	:NA	SARAMSTPUR, JALANDHAR-14012, PUNJAB, INDIA
(86) International Application No	:NA	2)SOOD NITIN
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)KHOSLA SAMRITI
(61) Patent of Addition to Application Number	:NA	2)SOOD NITIN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

THE PRESENT INVENTION INCLUDES A LIQUID CRYSTAL COMPOSITE COMPRISING A LIQUID CRYSTAL COMPOSITION AS A HOST AND A LARGE CONCENTRATION OF CARBON NANOTUBES AS DOPANTS, WHEREIN THE CARBON NANOTUBES FORMS AGGREGATES IN THE LIQUID CRYSTAL COMPOSITION. THE AVERAGE LENGTH OF THE CARBON NANOTUBES VARIES FROM 0.3 TO FEW P.M. THIS INVENTION DISCLOSES A PROCESS OF TRANSFORMING COMMERCIALLY AVAILABLE HIGH TEMPERATURE LIQUID CRYSTALS IN TO LOW TEMPERATURE LIQUID CRYSTALS. IT DISCLOSES THE PROCESS OF CHANGING THE LIQUID CRYSTAL PHASE WITH APPLICATION OF BIAS.

No. of Pages: 18 No. of Claims: 16

(22) Date of filing of Application :20/04/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: MECHATRONIC VEHICLE INFORMATION DISPLAY INSTRUMENT

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:B60Q3/04, B60K35/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)JNS INSTRUMENTS LIMITED Address of Applicant: PLOT NO4, SECTOR-3, IMT MANESAR, GURGAON Haryana India (72)Name of Inventor: 1)RAJESH SINGH 2)ARUN KUMAR SHARMA 3)DEEPAK KUMAWAT 4)PANKAJ YADAV 5)GOPAL SHARMA
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(57) Abstract:

The present subject matter relates to a mechatrorlic vehicle information display instrument that includes plurality of battery powered dials displaying information including the speed of the vehicle, distance traveled by the vehicle and the level of the fuel remaining in n fuel tcmk, whercin the display of information is governed by an electronic circuit structure. The electronic circuit structure includes a fuel level sensing circuit operating in tandem with a fuel level sensing unit that sense the analog signals of the level of fuel in the fuel tank. The fuel level sensing circuit is also provided with an Analog to Digital converter within a microcontroller for converting the analog signals of the level of fuel in the fuel tank to digitized signals that are subsequently displayed on a liquid crystal panel. The electronic circuit structure is further provided with a distance sensing circuit that comprises a Hall Integrated Chip to sense the analog signals of rotation of the wheel of the vehicle. This distance sensing circuit is equipped with another Analog to Digital converter for converting the analog signals of the distance traveled by the vehicle to digitized signals that are subsequently displayed in an odometer on the liquid crystal panel once get modified by the microcontroller. The present subject matter discloses a Movement Assembly independent of mechanical components such as stepper motor, numbering wheel and gears. Thus, the present subject matter facilitates an improved, advanced, reliable, less costly, compact, and customers friendly mechatronic vehicle information display instrument for vehicles.

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

(22) Date of filing of Application :26/05/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention : REPLACEMENT OF SAND USING BIO-BRIQUETTE ASH AND METHOD OF MAKING THE BRICKS

(51) International classification	:C10L5/40,C10L5/04	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Dr. Rahul V. Ralegaonkar
(32) Priority Date	:NA	Address of Applicant :Associate Professor, Visvesvaraya
(33) Name of priority country	:NA	National Institute of Technology, Nagpur Maharashtra India
(86) International Application No	:NA	2)Vishakha V. Sakhare
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Dr. Rahul V. Ralegaonkar
(61) Patent of Addition to Application	:NA	2)Vishakha V. Sakhare
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The invention presents the feasibility analysis study of bio briquette ash (BBA) for the development of bricks. The desired tests on the collected BBA sample i.e., sieve analysis, specific gravity, soundness test, chemical characterisation, X-Ray Diffraction, Thermo Gravimetric Differential Thermal Analyser; Scanning Electron Microscope was carried out to check the feasibility of BBA for the development of bricks. The BBA was added according to the partial replacement method (5-55%) with sand keeping cement percentage constant. A total of 6 compositions were cast with 5% weight variation. The effect of addition of BBA by % weight on brick properties was investigated. The comparative analysis indicated improved physio-mechanical and thermal properties of BBA bricks as compared to the commercially available Fly ash and Clay bricks. The developed bricks are recommended for non-load bearing walls. Following invention is described in detail with the help of Figure 1 of sheet 1 showing x-ray diffraction (XRD) pattern, Figure 2 of sheet 1 showing scanning electron microscopy (SEM) and Figure 3 of sheet 2 showing thermo-gravimetric analysis (TGA) of Bio briquette ash (BBA).

No. of Pages: 22 No. of Claims: 2

(22) Date of filing of Application :09/04/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention : A SYSTEM AND METHOD FOR SELECTING AND COMMUNICATING INFORMATION BETWEEN TERMINALS

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	:H04B1/38, H04L29/08 :NA :NA :NA	(71)Name of Applicant: 1)MR. GAURAV PATHARKAR Address of Applicant:5, RACHNA HERITAGE, 10616, PRABHAT ROAD, PUNE-411004 Maharashtra India (72)Name of Inventor:
(86) International Application No	:NA	1)MR. GAURAV PATHARKAR
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 system and method for selecting and communicating information between terminals by the use of referred electronic communication pathways is disclosed.

No. of Pages: 19 No. of Claims: 9

(22) Date of filing of Application :02/06/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: A CLINICAL THERMOMETER FOR RURAL INDIA

(51) International classification	5/01, G01K 5/00	ENGINEERING, SECTOR 26, PRADHIKARAN NIGDI, PUNE-
(31) Priority Document No (32) Priority Date	:NA :NA	411044, MAHARASHTRA, INDIA. (72)Name of Inventor:
(33) Name of priority country	:NA	1)MR. ATHARVA PRAVIN GHATE
(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 thermometric system for the rural India, said system comprising: input means adapted to receive contact with the human body whose body temperature is to be measured; the mercury bulb used to receive heat from the body whose temperature is to be measured; connecting wire of minimum resistance, said connecting wire is used to complete the electric circuit, is connected to mercury bulb at one end and to the button cell holder at the other end; button cell holder, said button cell holder is used to insert the button cell and is of the same specification as that of the button cell; button cell, said button cell is a silver cell and acts a source of electricity; LED (Light Emitting Diode), said LED acts as a visual indicator and lights up when the body temperature of the human body is greater than the normal body temperature and the connecting sires is again connected to the stem of the clinical thermometer allowing it to make contact with the mercury of bulb.

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

(22) Date of filing of Application :03/06/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: GORAKH MOHAN POWER.

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:G01V7/00, H03F 1/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)GORKSHANATH YADAV MOHAN Address of Applicant:FLAT NO.15, THAKKAR BUILDING, ASHOK NAGAR, SATPUR, NASHIK-420012, MAHARASHTRA, INDIA. (72)Name of Inventor: 1)GORKSHANATH YADAV MOHAN
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(57) Abstract:

Dear Friends today energy is the basic need for the development of the modern world. Researches shows that the world has already had its enough shares of its energy resources. Where the fossil fuels pollute the environment & Nuclear energy requires careful handling of both raw as well as its waste material. There for the focus now is shifting more and more towards the renewable sources of energy, which are essentially, non-polluting energy sources, For meeting up the regular demand of energy we need to design a system that will-produce electricity /power without destroying the nature & completely solve the problem of energy at minimum investment Hence for me (Gorkshanath)Gorakh Yadav Mohan would like to Share with you that, I have invented a power machine, having a title asGM Power.

No. of Pages: 28 No. of Claims: 12

(22) Date of filing of Application :15/11/2013 (43) Publication Date : 12/06/2015

(54) Title of the invention: IMAGE PROCESSING METHOD AND DEVICE BASED ON BAYER FORMAT

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:G06T 5/00 :NA :NA :NA :PCT/CN2012/079763 :07/08/2012 :WO 2014/022965 :NA :NA :NA	(71)Name of Applicant: 1)SPREADTRUM COMMUNICATIONS (SHANGHAI) CO. LTD. Address of Applicant: Spreadtrum Center Building No.1 Lane2288 Zuchongzhi Road Zhangjiang Shanghai 201203 China (72)Name of Inventor: 1)PENG Xiaofeng 2)HUANG Yuchun 3)LIN Fuhuei
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(57) Abstract:

An image processing method and device based on a bayer format. The image processing method based on the bayer format comprises: executing for a to be processed image a binning processing in a row direction and/or a binning processing in a column direction an arranging mode of pixels in the processed image being identical with an arranging mode of pixels in the to be processed image. The binning processing comprises: determining a location for outputting pixels; selecting in the to be processed image several pixels whose color type is identical with a color type of the output pixels to perform weighted average so as to obtain an output pixel value a location of the selected several pixels and a location of the output pixels meet a weighted average relationship. According to the technical solution of the present invention image quality is ensured after a color interpolation based on a conventional binning method without introducing any false detail.

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

(22) Date of filing of Application :01/06/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention : SYSTEM FOR MONITORING AND DECONGESTING TRAFFIC CONGESTION WITH GPS MOBILITY SENSORS

	·G08G1/052	(71)Name of Applicant :
(51) International classification	G08G1/032,	1)TRIVEDI BHUSHAN HARSHADRAI
(31) Priority Document No	:NA	Address of Applicant :12, MADHAV DUPLEX,
(32) Priority Date	:NA	SMRITIMANDIR NIGAM ROAD, GHODASAR
(33) Name of priority country	:NA	AHMEDABAD - 380 006 GUJARAT, INDIA.
(86) International Application No	:NA	2)PARMAR RAJENDRA SOMCHAND
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)TRIVEDI BHUSHAN HARSHADRAI
(61) Patent of Addition to Application Number	:NA	2)PARMAR RAJENDRA SOMCHAND
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention relates to a system for monitoring and decongesting traffic congestion with GPS mobility sensors which capture real time data. The captured data are used to compute congestion levels and evolve decongestion strategies like modulating signal phases or suggesting alternate routes. The signal phases are computed based on un-utilized green phases and cumulative waiting time of vehicles in each direction. The computed signal phases modulate the cycle timings of the traffic signals at every junction. Thus traffic flow is improved by computing the green phase in real time taking into account infrastructural data, vehicular data and congestion level. The drivers of the vehicles are also suggested alternate routes in case of deadlock situation and shortest route for travelling to their destination.

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

(22) Date of filing of Application :25/05/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: AN ANTI-COAGULANT FORMULATION AND METHOD FOR PREPARATION THEREOF

:A61K	(71)Name of Applicant:
36/752,	1)Bhavsar Atul Mafatlal
A61k9/00	Address of Applicant :E-5, Somgokul Apartments, Near
:NA	Nirnaynagar Garnala, Chandlodia Road, Ahmedabad-382481.
:NA	Gujarat, India
:NA	(72)Name of Inventor:
:NA	1)Bhavsar Atul Mafatlal
:NA	
: NA	
:NA	
:NA	
:NA	
:NA	
	36/752, A61k9/00 :NA :NA :NA :NA :NA :NA :NA :NA

(57) Abstract:

The present invention describes an anti-coagulation formulation and method for preparation thereof. The present invention describes herbal anticoagulation formulation made-up of Citrus lemon, sodium bicarbonate and potassium bicarbonate. This invention also provides simple method for formulation of dry powder anti-coagulant containing Citrus lemon, sodium bicarbonate and potassium bicarbonate. This dry powder formulation can be used for various applications like for blood testing in laboratory and storage of blood in blood bank. This formulation can be indicated in thrombosis and thrombophilia patients where overactivity and abnormality of blood coagulation is observed. The dry powder of this invention provides advantages over conventional anti-coagulants like easy administration, large therapeutic window, low content of preservative and ready to mix dry powder dosage form.

No. of Pages: 20 No. of Claims: 8

(22) Date of filing of Application :02/03/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: A PATIENT MEDICAL RECORD REPOSITORY SYSTEM AND ASSOCIATED METHOD THEREIN

(51) International Area ("anti-area	C0 (E10/00	(71)N 6 A P
(51) International classification	:G06F19/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)AMBATI SIVAMALIKARJUNA REDDY
(32) Priority Date	:NA	Address of Applicant :D. No: 4-421-1, Sreeramulapeta,
(33) Name of priority country	:NA	Tadipatri, Anantapur Dist - 515411, Andhra Pradesh, INDIA.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)AMBATI SIVAMALIKARJUNA REDDY
(87) International Publication No	: NA	2)AMBATI NAVEEN REDDY
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A patient medical repository system and an associated method therein are disclosed for centrally storing patientTMs medical records electronically on a database for remote access. The individual health connect systems at hospitals stores a plurality of patient medical records on a medical information database via a medical information server connected to a network. The plurality of individual health connect systems connected to the network have software to communicate with the medical information server. Additionally patients, medical practitioners and any third party personal or system authorized by the medical information server can access all portions of patientTMs medical records using browser softwareTMs on any browser-enabled device connected to the network.

No. of Pages: 27 No. of Claims: 13

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.1006/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: A STEAM CONDENSATION AND WATER DISTILLATION SYSTEM

(51) International classification :B01D5/00,C02F1/04,C02F1/16 (71)Name of Applicant:

(31) Priority Document No:2012/10250(32) Priority Date:07/09/2012(33) Name of priority country:Turkey

(86) International Application No :PCT/EP2012/069105

Filing Date :27/09/2012 (87) International Publication No :WO 2014/037063

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to Application

NA

NA

Number :NA Filing Date :NA

(57) Abstract:

1)HSE HITIT SOLAR ENERJI A.S.
Address of Applicant :Suleyman Seba Cad. Acisu Sok. No:2
D:10 Besiktas 34357 Istanbul Turkey
(72)Name of Inventor:
1)CAPAN Rahmi Oguz

The steam condensation and water distillation system of the present invention comprises a first part (3) which comprises an evaporation compartment (3b) in which water received from a water source is evaporated and which is provided with a vacuum environment therein and at least one first column (3a) in which high density water is accumulated; a steam line (B1) a part of which is located in the evaporation compartment (3b); a condensation pool (2a) in which the steam in the steam line (B1) is transferred; a second part (5) which comprises a condensation compartment (5c) in which the steam in the evaporation compartment (3b) is transferred and which is provided with a vacuum environment a second column (5a) in which distilled water formed by the condensation of the steam is accumulated and a distilled water compartment (5b) which is provided with an amount of clean water therein in which condensation compartment (5c) is positioned; a first distilled water line (A1) which is in connection with the distilled water compartment (5b) and the second column (5a) and by which the water coming from them are transferred to the distilled water compartment (5b) again by being cooled; a second distilled water line (A2) by which distilled water is transferred for using.

No. of Pages: 19 No. of Claims: 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.132/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention : DEVICE FOR CONTROLLING THE MOVEMENT OF A HYDRAULIC CYLINDER PARTICULARLY FOR HYDRAULIC MACHINES

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:1256784 :13/07/2012 :France :PCT/EP2013/064818 :12/07/2013 :WO 2014/009543 :NA :NA	(71)Name of Applicant: 1)ALSTOM RENEWABLE TECHNOLOGIES Address of Applicant:82 Avenue Lon Blum F 38100 Grenoble France (72)Name of Inventor: 1)STEINHILBER Armin
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The invention relates to a control device (16) that includes a valve (26) including a body (30) connected to the first chamber (22) of a cylinder (6) via a first hydraulic connection (32) and to the second chamber (24) of the cylinder (6) via a second hydraulic connection (34). The device includes a first hydraulic duct (42) to be connected to a first actuating fluid source (40) and a second hydraulic duct (46) to be connected to a second actuating fluid source (44) said hydraulic ducts (42,46) being in communication with the body (30) of the valve (26) said valve (26) further including a distribution device (56) that is movable within the body (30) of the valve (26) between a first position in which the distribution device (56) places the first hydraulic connection (32) and the first hydraulic duct (42) in fluid communication and a second position in which the distribution device (56) places the second hydraulic connection (34) and the second hydraulic duct (46) in fluid communication.

No. of Pages: 27 No. of Claims: 10

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: X-RAY IMAGING DEVICE FOR STITCHING AND ASSOCIATED METHOD

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 	:G01N23/00 :102013209769.7 :27/05/2013 :Germany :NA :NA	(71)Name of Applicant: 1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: Wittelsbacherplatz 2, 80333 Munchen, Germany (72)Name of Inventor: 1)SULTAN HAIDER
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The invention specifies an x-ray imaging device for stitching x-ray images (7, 8, 9). It comprises an x-ray emitter (3), an x-ray detector (4) and a connection element (1) embodied to couple the x-ray emitter (3) and the x-ray detector (4) to one another mechanically. The x-ray imaging device moreover comprises a first rotational axis (14) extending through the focus (13) of the x-ray emitter (3), about which rotational axis the x-ray emitter (3) and the x-ray detector (4) can be pivoted together. An advantage offered by the invention is that it is possible to produce parallax-free x-ray images of an extended object from different directions. As a result, there can be almost error-free stitching of the x-ray image recordings thus obtained. The invention moreover specifies an associated method, an associated use, a digital storage medium and a computer program.

No. of Pages: 19 No. of Claims: 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1288/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :14/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: STEERING SUPPORT MEMBER STRUCTURE

(51) International classification	·B62D25/14	(71)Name of Applicant:
(31) International classification	:2013-	1)SUZUKI MOTOR CORPORATION
(31) Priority Document No	105121	Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date		Hamamatsu-shi, Shizuoka-ken, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)ATSUMI, Ryo
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:

[Problem to be Solved] Movement of a pillar portion toward a vehicle body interior is prevented when a collision load is received from a vehicle body side. [Solution] At rim portions 1U and 1L of an opening portion 1A of a steering support member 1, side portions 11 thatare connected to an attachment portion 2 attached to a vehicle body and extend in a vehicle body width direction, and slope portions 12 thatare connected to the side portions 11 and a base portion 10 are provided. The slope portions 12 are inclined with respect to a shaft center of the steering support member 1 such that a width of the opening portion 1A corresponding to the side portions 11 and a width of the opening portion 1A corresponding to the base portion 10 are different. The slope portions 12 are formed to include lower strengths than strengths of the side portions 11 and a strength of the base portion 10.

No. of Pages: 27 No. of Claims: 5

(21) Application No.1352/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: MACHINE AND METHOD FOR CRACKING A CONNECTING ROD

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Petent of Addition to Application Number 	:B23D31/00 :EP13382192.6 :24/05/2013 :EPO :NA :NA	(71)Name of Applicant: 1)GAINDU, S.L. Address of Applicant:Poligono Olaso, 45, 20870, Elgoibar (Guip°zcoa), SPAIN (72)Name of Inventor: 1)GORKA PRIETO 2)JAVIER PENA
ĕ		
(61) Patent of Addition to Application Number	:NA	2,911 (12)(12)
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

(57) Abstract:

The machine for cracking a connecting rod comprises an electro press with an electric motor (400) for actuating an expandable element. The electro press comprises a first actuator part (410) and a second actuator part (430) arranged so that when the first actuator part is driven by the electric motor (400) from a first position to a second position, (a) the first actuator part (410) is first driven by the electric motor (400) from said first position (Fig. 12A) to an intermediate position (Fig. 12B), without displacing the second actuator part (430), and (b) subsequently the first actuator part (410) is further driven by the electric motor (400) from said intermediate position (Fig. 12B) to said second position (Fig. 12C), displacing the second actuator part from a non-expanding position to an expanding position.

No. of Pages: 46 No. of Claims: 16

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1353/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: GEL-PAD

(51) International classification	:A61B5/0408	(71)Name of Applicant:
(31) Priority Document No	:20 2013 004 834.4	1)HALLUFIX AG Address of Applicant :Tulbeckstrae 32, 80339 Munchen,
(32) Priority Date	:24/05/2013	Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)MANFRED BRASS
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:

Orthopaedic device for the correction of malpositiong of toes, comprising a flexible splint extending along the inner side of the foot and wherein for straightening the big toe by means of the flexible splint a corrective force F 1 affected by the spring stiffness, is applied in direction of the inner side of the foot to the big toe, having the following inventive features: g) The flexible splint (9) is designed as hinged splint which in the direction of flexion and extension of the toe or toes to be corrected is articulated and comprises a hinge mechanism (13) which has a pivoting axis (12) approximately corresponding to the axis of the metatarsophalangeal joint in the direction of flexion and extension. h) The flexible splint (9) comprises a first hinged splint shank (10) and a second hinged splint shank (11), which are moveably joined around the pivoting axis (12) by means of a hinge mechanism (13). i) Transmission of the corrective force F1 is achieved by annular bindings (5,6) made of a flexible, supple material which resists circumferential stress. j) In the region of the midfoot the device has a first annular binding (5) surrounding the middle foot on the outside and the flexible splint. k) In the region of the free end of the big toe the device has a second second annular binding (6) surrounding the big toe and the flexible joint on their periphery characterized in that 1) A gel pad (8) is attached to the side of the second shank of the hinged splint shank (11) which faces the inner side of the foot.

No. of Pages: 16 No. of Claims: 14

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1227/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: DEFORMATION ELEMENT

(51) International classification	:B62D25/06	(71)Name of Applicant:
(31) Priority Document No	:10 2013	1)Dr. Ing. h.c. F. Porsche Aktiengesellschaft
(31) Fliority Document No	105 155.3	Address of Applicant :Porscheplatz 1, 70435 Stuttgart,
(32) Priority Date	:21/05/2013	Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)SCHMITT, Hans- J ¹ / ₄ rgen
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 deformation element is composed of a profile part and is for example of u-shaped profile with legs in cross section or is of single-shear configuration, and has side walls or a side wall which is formed in the manner of an accordion with z-shaped deformation folds. The predefined deformation folds are provided in a direction transverse to an acting force, said deformation folds in part being arranged opposingly.

No. of Pages: 17 No. of Claims: 11

(22) Date of filing of Application :14/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: VEHICULAR DRIVING FORCE DISTRIBUTION CONTROL APPARATUS

(51) International classification	:B60K23/08	(71)Name of Applicant :
(31) Priority Document No	:2013- 104641	1)Suzuki Motor Corporation Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:17/05/2013	Hamamatsu-shi, Shizuoka 432-8611 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)ONOUE, Asuka
Filing Date	:NA	2)YAMASE, Tetsuo
(87) International Publication No	: NA	3)KOBAYASHI, Reiji
(61) Patent of Addition to Application Number	:NA	4)SHIMMURA, Kazuya
Filing Date	:NA	•
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
·		

(57) Abstract:

There is provided a vehicular driving force distribution control apparatus which is configured to control distribution of a driving force of an engine to main and sub driving wheels of a four-wheel drive vehicle. A coupling is configured to change a transmission amount of the driving force from the engine. The driving force of the engine is mainly transmitted to main driving wheels. The driving force of the engine is transmitted to sub-driving wheels via the coupling. An engine control unit is configured to control engine torque of the engine. A rotating speed difference detection unit is configured to detect a rotating speed difference between the main driving wheels and the sub-driving wheels. A coupling control unit is configured to control the transmission amount which is transmitted by the coupling, depending on the rotating speed difference detected by the rotating speed difference detection unit. When the rotating speed difference detected by the rotating speed difference detected by the rotating speed difference detection unit is a setting value or larger, a first reduction control of reducing an amount of the engine torque is executed by the engine control unit. When it is determined that the first reduction control is continuously executed for a setting time or longer, a second reduction control of reducing the transmission amount which is transmitted by the coupling is executed by the coupling control unit.

No. of Pages: 22 No. of Claims: 2

(21) Application No.1354/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: MACHINE FOR MACHINING CRANKSHAFTS

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:B23B5/18 :EP13382190.0 :24/05/2013 :EPO :NA :NA : NA :NA :NA	(71)Name of Applicant: 1)ETXE-TAR, S.A. Address of Applicant:San Antoln, 3, 20870 Elgoibar (Guip°zcoa), SPAIN (72)Name of Inventor: 1)ERNESTO CANO 2)GABRIEL MOYA
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The machine for machining crankshafts comprises a support (2) to support at least one crankshaft (100), and at least one actuator (1) to actuate a machining tool for machining the crankshaft. The support (2) is configured to hold the crankshaft with at least two clamping devices (21) configured to secure the crankshaft in correspondence with at least two main journals (103) of the crankshaft. The support (2) turns in respect to a vertical axis (A) to modify an angle of attack between a longitudinal axis (B) of the crankshaft (100) and the actuator. The support is provided with a turning mechanism (22) displaceable between a retracted position wherein it does not interact with the crankshaft (100), and an actuation position wherein the turning mechanism (22) interacts with the crankshaft (100) in order to turn the crankshaft (100) in respect to its longitudinal axis (B). The machine is suitable for making lightening holes in crankshafts.

No. of Pages: 29 No. of Claims: 17

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: MILLING MACHINE WITH LOCATION INDICATOR SYSTEM

(51) International classification	:E01C23/088	(71)Name of Applicant:
(31) Priority Document No	:13/901,263	1)Wirtgen GmbH
(32) Priority Date	:23/05/2013	Address of Applicant :Reinhard-Wirtgen-Strae 2, 53578
(33) Name of priority country	:U.S.A.	Windhagen (DE) Germany
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)FRITZ, Matthias
(87) International Publication No	: NA	2)BERNING, Christian
(61) Patent of Addition to Application Number	:NA	3)BARIMANI, Cyrus
Filing Date	:NA	4)HAHN, G ¹ / ₄ nter
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A construction machine apparatus includes a plurality of ground engaging supports, a machine frame supported from the ground engaging supports and a milling drum supported from the machine frame. A milling drum location detection system is configured to determine a drum location in an external reference system. A location indicator system includes a memory configured to store information identifying a location of one or more areas to be avoided in the external reference system, and a controller configured to compare the drum location to the location of the one or more areas to be avoided, and to provide an output corresponding to a proximity of the milling drum to the location of the one or more areas to be avoided.

No. of Pages: 54 No. of Claims: 38

(22) Date of filing of Application :07/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: SYSTEM AND METHOD FOR ASSESSING CUMULATIVE EFFECTS OF A FAILURE

(51) International classification (31) Priority Document No	:G05B23/02 :13/941,785	Address of Applicant :100 North Riverside Plaza, Chicago, IL
(32) Priority Date(33) Name of priority country(86) International Application No	:U.S.A. :NA	60606-2016, United States of America (72)Name of Inventor: 1)DAVID H. JONES
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:NA : NA :NA	2)TYLER J. PETRI 3)DANIEL J. FOGARTY 4)CHAD R. DOUGLAS
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	5)ROGER NICHOLSON 6)LARS FUCKE 7)STEPHEN SWEENEY
-		8)RICARDO M. FRICKS

(57) Abstract:

A failure-effect validation system (100) includes an effects modeler (104) configured to develop a cumulative effects (600) model for failure modes (302) of the complex system, and by which a model of the complex system is extendible to form an extended complex-system model. The effects modeler (104) is also configured to develop search targets each of which includes logical expressions of notable hazards (304) and other factors that contribute to the cumulative effects (600), such as crew workload (306), safety margin (606) and/or physiological effects (608). A model analysis system (106) is configured to perform an automated analysis using the extended complex-system model and search targets, and in which the automated analysis includes a graph search of possible states of the extended complex-system model to locate search targets. And the effects assessment system (108) is configured to selectively generate a layout of failure analysis data including at least a portion of the extended complex-system model and results of the automated analysis.

No. of Pages: 54 No. of Claims: 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1299/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: SEAT CUSHION

(51) International classification	:A47C27/00	(71)Name of Applicant:
(31) Priority Document No	:2013- 104774	1)Suzuki Motor Corporation Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:17/05/2013	Hamamatsu-shi, Shizuoka 432-8611 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)KUROKI, Yohei
Filing Date	:NA	2)SHIBATA, Kouji
(87) International Publication No	: NA	3)ISOBE, Satoshi
(61) Patent of Addition to Application Number	:NA	4)HAGITA, Mikiya
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The invention is directed to a seat cushion in which a seat cushion pad is mounted on a seat cushion frame and covered with a seat cushion trim cover, a locking hook which is fixed to an end portion of the seat cushion trim cover is locked on wire members of the seat cushion frame, at least one of the wire members has a corner portion which is bent in a plan view, and the locking hook extends continuously along lock portions of the wire members, wherein: the corner portion of the at least one of the wire members is bent so as to be convex upward so that an associated corner portion of the locking hook is not locked on the corner portion of the at least one of the wire members.

No. of Pages: 21 No. of Claims: 4

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: APPARATUS, SYSTEM AND METHOD FOR COMPRESSIONTESTING OF TEST SPECIMENS

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:G01B11/16 :13/947,050 :20/07/2013 :U.S.A. :NA :NA :NA :NA :NA :NA	
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(57) Abstract:

There is provided an apparatus (30) for compression testing. The apparatus (30) has a base assembly (60) having an end load element (74) attached to the base assembly (60), the base assembly (60) being rigid. The apparatus (30) has a support assembly (32) attached to the base assembly (60), and having a plurality of window portions (44). The apparatus (30) has a core assembly (46) installed within the support assembly (32), the core assembly (46) being crushable and configured to protect the support assembly (32) and the base assembly (60) from fracture loads (53) generated during compression testing. The base assembly (60), the support assembly (32), and the core assembly (46) together form an apparatus (30) for compression testing of a test specimen (80) having a notch portion (82). The apparatus (30) is configured for use with an optical strain measurement system (120). When the test specimen (80) is installed in the support assembly (32), the test specimen (80) and the notch portion (82) are visible to the optical strain measurement system (120) through the plurality of window portions (44).

No. of Pages: 71 No. of Claims: 16

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: INTERIOR PERMANENT MAGNET SYNCHRONOUS ROTARY ELECTRIC MACHINE

(51) International classification	:H02K21/16	(71)Name of Applicant:
(31) Priority Document No	:2013- 133035	1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:25/06/2013	Hamamatsu-shi, Shizuoka-ken, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)KAWANO, Shinya
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	
(55) A1		-

(57) Abstract:

[Problem to be Solved] An object is to specify a structure capable of reducing cogging torque in an interior permanent magnet synchronous rotary electric machine. [Solution] A concentrated-winding interior permanent magnet rotary electric machine with 8 poles and 12 slots is characterized in that, provided that: a denotes a mechanical angle with respect to a rotation axis center (321) of a rotor by stator-side circumferential ends (332 and 333) on both sides of each pole of the rotor (332 and 333), the pole formed by one or more permanent magnets (33); A denotes a distance from the rotation axis center to a midpoint (334) between the stator-side circumferential ends on both sides; κ denotes an equivalent value of a width of a bridge portion in terms of a mechanical angle with respect to the rotation axis center, the bridge portion being provided so as to connect a rotor outside portion and a rotor inter-pole portion; and B denotes a distance from the rotation axis center to a boundary (225) between a tooth main body and a tooth collar on a slot-side end face of a tooth, a mechanical angle b formed with respect to the rotation axis center by a rotor-side end face (223) of the tooth main body, is set to satisfy [Formula 1] b = $2/3(a-2\kappa)$ — $A/B \pm 0.6$, Where $23 < a - 2\kappa < 31$

No. of Pages: 27 No. of Claims: 1

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE

(51) International classification	:F02P15/10 :2013-	(71)Name of Applicant : 1)Suzuki Motor Corporation
(31) Priority Document No	099774	Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:10/05/2013	Hamamatsu-shi, Shizuoka 432-8611 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)YAMANA, Shunsuke
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 control device for an internal combustion engine including a plurality of cylinders and using Atkinson cycle. A load condition detecting unit is configured to detect a load condition of the internal combustion engine. A stroke judging unit is configured to judge a stroke of the cycle. An air amount control unit is configured to control an air amount flowing into the cylinder by opening and closing a flow passage upstream of an intake valve according to an operation condition of the internal combustion engine. If the load condition of the internal combustion engine is detected as a high load condition by the load condition detecting unit, the stroke judging unit identifies a cylinder of which a next stroke is a compression stroke, and the air amount control unit closes a flow passage upstream of an intake valve of the cylinder of which the next stroke is the compression stroke.

No. of Pages: 17 No. of Claims: 2

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1328/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: INKJET PRINTER

(51) International classification	:B41J3/00	(71)Name of Applicant:
(31) Priority Document No	:2013-	1)SEIKO EPSON CORPORATION
(20) P P	136042	Address of Applicant :of 4-1, Nishi-shinjuku 2 chome,
(32) Priority Date	:28/06/2013	Shinjuku-ku, Tokyo 163 0811, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)HIRABAYASHI, KENICHI
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 inkjet printer enables easily replacing parts such as ink cartridges and a waste ink tank, and in the printer front 5a where the paper exit 4 of the printer 1 opens has a roll paper replacement opening 7 disposed below the paper exit 4 on the vertical axis Z, an ink cartridge replacement opening 10 disposed on one side of the roll paper replacement opening 7 on the transverse axis X, and a waste ink tank replacement opening 12 disposed on the other side of the roll paper replacement opening 7 on the transverse axis X.

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

(21) Application No.1329/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: FUEL CONSUMPTION MEASURING INSTRUMENT

(51) International classification	:F02B1/04	(71)Name of Applicant:
(31) Priority Document No	:2013- 107690	1)HORIBA, Ltd.
(22) D D		Address of Applicant: 2, Miyanohigashi-cho, Kisshoin,
(32) Priority Date	:22/05/2015	Minami-ku, Kyoto-shi, Kyoto 601-8510, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)AKITA, Masanobu
Filing Date	:NA	2)NAKAMURA, Hiroshi
(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 instrument that directly measures a flow rate and air-fuel ratio of exhaust gas, and from the flow rate and air-fuel ratio of the exhaust gas, calculates fuel consumption measures the fuel consumption at high response speed and with high accuracy. The instrument is provided with: an ultrasonic flowmater (2) that measures a flow rate QEX of exhaust gas flowing through an exhaust gas flow path R; and an arithmetic unit (4) that calculates fuel consumption Fe of an engine with use of the exhaust gas flow rate QEX obtained by the ultrasonic flowmater (2) and an air-fuel ratio AFR obtained by an air-fuel ratio sensor (3) that measures the air-fuel ratio AFR of the exhaust gas flowing through the exhaust gas flow path R.

No. of Pages: 41 No. of Claims: 10

(22) Date of filing of Application :27/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: WELDED WORKPIECE, FUEL INJECTION VALVE AND LASER WELDING METHOD

(51) International classification	:F02M61/18	(71)Name of Applicant:
(31) Priority Document No	:2013- 125926	1)Hitachi Automotive Systems, Ltd. Address of Applicant :2520, Takaba, Hitachinaka-shi, Ibaraki,
(32) Priority Date	:14/06/2013	JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)Xudong ZHANG
Filing Date	:NA	2)Norihiro YADE
(87) International Publication No	: NA	3)Nobuaki KOBAYASHI
(61) Patent of Addition to Application Number	:NA	4)Yasuhiro MOTEGI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

[Problem to be solved] Providing a welded workpiece with decreased weld deformation, fuel injection valve equipped with the welded workpiece, and a laser welding method. [Means to solve the problem] A welded workpiece comprising: a first workpiece to be welded 1 with a hollow 13, a second workpiece to be welded 2, and a weld bead 3 formed by deep penetrating type laser welding, using emission of a laser beam from the side of the first workpiece to be welded after the first workpiece to be welded and the second workpiece to be welded are piled up, wherein a surface width of the weld bead is W1, a penetrating width as a width of the weld bead on the boundary surface of piled the first and the second workpiece to be welded is W2, a board thickness of the first workpiece to be welded is t, a ratio of WI / t of the surface width W1 and the board thickness t is smaller than the first threshold value, and a ratio (W1 - W2) / t of a difference between the surface width W1 and the penetrating width W2 and the board thickness t is smaller than the second threshold value.

No. of Pages: 28 No. of Claims: 13

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: APPARATUS FOR DETECTING ABNORMAL COMBUSTION IN A COMBUSTION ENGINE

:F02D41/22,F02D35/02 (71)Name of Applicant : (51) International classification 1)TOYOTA JIDOSHA KABUSHIKI KAISHA (31) Priority Document No :2012252420 (32) Priority Date Address of Applicant: 1 Toyota cho Toyota shi Aichi ken 471 :16/11/2012 (33) Name of priority country :Japan 8571 Japan (86) International Application No :PCT/IB2013/002513 (72) Name of Inventor: Filing Date :13/11/2013 1)TANAKA Hiroyuki (87) International Publication No :WO 2014/076536 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

A spark ignition internal combustion engine includes: a compression ratio changing mechanism by which a volume of a combustion chamber varies; a cylinder internal pressure sensor that acquires a pressure signal of a pressure vibration inside a cylinder; and an abnormal combustion detector including a filter that passes the pressure signal of a set frequency band among the pressure signal and detecting an occurrence of abnormal combustion based on the pressure signal having passed through the filter. The abnormal combustion detector sets a frequency band of the filter based on a crank angle section in which abnormal combustion occurs and on a mechanical compression ratio.

No. of Pages: 54 No. of Claims: 7

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: FRONT AND REAR INTERLOCKING BRAKE SYSTEM OF STRADDLE TYPE VEHICLE

(51) International classification	:B60T8/26	(71)Name of Applicant:
(31) Priority Document No	:2013- 162617	1)HONDA MOTOR CO., LTD. Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato-
(32) Priority Date	:05/08/2013	ku, Tokyo 107-8556, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)YASUNORI OKAZAKI
Filing Date	:NA	2)YOSHIHISA IEDA
(87) International Publication No	: NA	3)YUTAKA NISHIKAWA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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(57) Abstract:

[Problem] The present invention aims to facilitate returning a brake interlocking mechanism to the initial state without increasing setting load applied on a delay spring in a front and rear locking brake system of straddle type vehicle. [Means for Solving problem] The front and rear interlocking brake system of straddle type vehicle comprises, a middle arm 22 integrally rotating with a brake pedal 5, an equalizer arm 24 with the lower end portion swingaly connected to the middle arm 22, an interlocking cable 26 connected to the upper end portion of the equalizer arm 24 and extending to a delay spring acting portion for interlocking the front brake, a brake rod 9 connected to the vertically middle portion of the equalizer arm 24 and extending to the rear brake, an equalizer stopper 30 provided between the vertically middle portion and the upper end portion of the equalizer arm 24 and abutting on a vehicle body side abutting wall 29 for controlling the equalizer arm 24 to swing to the direction pulle9 by the brake rod 9.

No. of Pages: 32 No. of Claims: 5

(21) Application No.1384/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: MUFFLER STRUCTURE

(51) International classification :F01N3/28 (31) Priority Document No :2013- 161164 (32) Priority Date :02/08/201 (33) Name of priority country :Japan (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant: 1)HONDA MOTOR CO., LTD. Address of Applicant:1-1, Minami-Aoyama 2-chome, Minato-ku, Tokyo 107-8556, JAPAN (72)Name of Inventor: 1)YOSUKE MATSUOKA
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(57) Abstract:

[Problem] To prevent deterioration of appearance of a muffler protector. [solution] In a muffler structure wherein a pillion step 68 and a muffler 42 are disposed vertically on a lateral side of a vehicle body with a rear portion of the muffler 42 disposed higher than a front portion of the muffler 42, a muffler protector 105 defining a predetermined space relative to the muffler 42 covers the pillion step 68 side of the muffler 42, and a plate-like protective member 106 is provided for further covering the pillion step 68 side of the muffler protector 105 on a rear side of the pillion step 68.

No. of Pages: 50 No. of Claims: 8

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention : PRINTING APPARATUS, PRINTING CONTROL SYSTEM AND CONTROL METHOD OF THE PRINTING APPARATUS

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	:2013- 109481	(71)Name of Applicant: 1)SEIKO EPSON CORPORATION Address of Applicant : of 4-1, Nishi-shinjuku 2 chome, Shinjuku-ku, Tokyo 163 0811, JAPAN (72)Name of Inventor:
(86) International Application No	:NA	1)JINTSUGAWA, KEI
Filing Date	:NA	2)KIFUKU, TOMOHARU
(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 printing apparatus capable of continuously printing images on a recording medium, each of the images including a variable image of which an aspect is variable for each of the images to be continuously printed and a fixed image of which an aspect is the same for each of the images to be continuously printed, the printing apparatus includes a storage unit that associates and stores therein image data of the fixed image and a template having at least information about a position of printing an image, and a printing control unit that, when a control command which includes information for designating the template and instructs a printing of the variable image is input, superimposes the variable image and the fixed image associated with the designated template, on the basis of the template and print the superimposed image.

No. of Pages: 33 No. of Claims: 16

(22) Date of filing of Application :06/02/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention : ELECTRIC CONTROL MULTIMODE STEERING VALVE STEERING HYDRAULIC CONTROL SYSTEM AND WHEEL TYPE CRANE

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (51) International classification (201210492525.2 (201210492525.2 (27/11/2012 (27/11/2012 (27/11/2012 (27/11/2012 (27/11/2012 (27/11/2012 (27/11/2012 (27/11/2012 (27/11/2012 (27/11/2012 (27/11/2012 (27/11/2012 (27/11/2013 (27/1)Name of Applicant: 1)XUZHOU HEAVY MACHINERY CO. LTD. Address of Applicant: No. 165 Tongshan Road Xuzhou City Jiangsu 221004 China (72)Name of Inventor: 1)SHI Xianxin 2)DING Honggang 3)YE Haixiang 4)FANG Xin 5)ZHANG Fuyi	 (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:201210492525.2 :27/11/2012 :China :PCT/CN2013/087187 :15/11/2013 :WO 2014/082530 :NA :NA	1)XUZHOU HEAVY MACHINERY CO. LTD. Address of Applicant :No. 165 Tongshan Road Xuzhou City Jiangsu 221004 China (72)Name of Inventor : 1)SHI Xianxin 2)DING Honggang 3)YE Haixiang 4)FANG Xin
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(57) Abstract:

Disclosed i s an electric-control multimode steering valve. The steering valve comprises: a flow distributing and collecting valve (Y), a first electromagnetic exchange valve (Y1), and a second electromagnetic exchange valve (Y2). A valve body comprises four groups of paired valve oil ports. First oil ports of the first electromagnetic exchange valve (Y1) and the second electromagnetic exchange valve (Y2) are respectively in communication with a first group of valve oil ports (PR, PL) of the valve body. Second oil ports of the first electromagnetic exchange valve (Y2) are respectively in communication with a second group of valve oil ports (A1, B1) of the valve body. A third oil port of the first electromagnetic exchange valve (Y1) is in communication with a flow collecting port of the flow distributing and collecting valve (Y) and a third oil port of the second electromagnetic exchange valve (Y2) are respectively in communication with a third group of valve oil ports (A2, B2) of the valve body. A second flow distributing port of the flow distributing and collecting valve (Y) and the third oil port of the second exchange valve (Y2) are respectively in communication with a fourth group of valve oil ports (A3, B3) of the valve body. Further disclosed are a steering hydraulic control system and a wheel type crane. The steering valve can implement multimode steering of engineering vehicles, and the working i s reliable and the cost i s low.

No. of Pages: 29 No. of Claims: 10

(21) Application No.1261/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: CLEANING VALVE WITH DAMPENING MECHANISM

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 		(71)Name of Applicant: 1)ALSTOM TECHNOLOGY LTD Address of Applicant:BROWN BOVERI STRASSE 7, 5400 BADEN, SWITZERLAND (72)Name of Inventor: 1)APPELO, PER-ERIK ALBERT
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(57) Abstract:

Pulse valves and methods of using pulse valves are provided. The pulse valves include a dampening mechanism to decrease mechanical stresses, decrease operating noise, decrease compressed air waste and increase operational life expectancy. Such dampening mechanism is arranged within an internal area of the pulse valve housing. Additionally, fluid within the internal area of the pulse valve provides cushioning effects during operation of the pulse valve.

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

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: MOISTURE SEPARATOR CONFIGURATION

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country		(71)Name of Applicant: 1)ALSTOM TECHNOLOGY LTD Address of Applicant:BROWN BOVERI STRASSE 7, 5400 BADEN SWITZERLAND
(86) International Application No Filing Date	UNION :NA :NA	(72)Name of Inventor: 1)PADOVAN, LORIS 2)SGAMBATI, ALESSANDRO
(87) International Publication No(61) Patent of Addition to Application Number	: NA :NA	
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract:

Moisture separator configuration (10) for separating water droplets from steam of a flow (20) comprising a mixture of steam and water droplets, such that the cited flow (20) travels through the moisture separator configuration (10) so that this separation is achieved, the moisture separator configuration (10) comprising a plurality of plates (11) oriented in line with the flow (20), characterized in that the plurality of plates (11) form channels (30) though which the flow (20) travels, the channels (30) having progressive cross section variation along the flow (20) direction, in order to to collect progressively the water droplets separated from the steam in the flow (20).

No. of Pages: 15 No. of Claims: 10

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: PAPER-SHEET HANDLING SYSTEM AND PAPER-SHEET HANDLING METHOD

00 (71)Name of Applicant :
1)GLORY LTD. Address of Applicant :3-1, Shimoteno 1-chome, Himeji-shi,
13 Hyogo-ken, JAPAN
(72)Name of Inventor:
1)KOJI MIZUMOTO

(57) Abstract:

A paper-sheet handling system includes a plurality of paper-sheet handling units 15, 90, 60, 200 and 300 each configured to handle a paper sheet. The paper-sheet handling system includes a display unit 59 configured to display information related to one or more paper-sheet handling unit/units 15, 90, 60, 200 and 300. When the display unit 59 displays a part of a plurality of the paper-sheet handling units 15, 90, 60, 200 and 300, the display unit 59 displays the information related to the paper-sheet handling unit/units 15, 90, 60, 200 and 300 per each unit.

No. of Pages: 39 No. of Claims: 9

(22) Date of filing of Application: 12/05/2014 (43) Publication Date: 12/06/2015

(54) Title of the invention: AIR-GUIDING DEVICE FOR A VEHICLE

(51) International classification	:B21D51/16	(71)Name of Applicant:
(21) Priority Dogument No.	:10 2013	1)Dr. Ing. h.c. F. Porsche Aktiengesellschaft
(31) Priority Document No	105 223.1	Address of Applicant :Porscheplatz 1, 70435 Stuttgart
(32) Priority Date	:22/05/2013	Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)WILD, Jochen
Filing Date	:NA	2)KASPEROWSKI, Bernd
(87) International Publication No	: NA	3)PAUL, Joachim
(61) Patent of Addition to Application Number	:NA	4)HERRMANN, Bernd
Filing Date	:NA	5)BEIERL, Dominik
(62) Divisional to Application Number	:NA	6)NEUBRAND, Frank
Filing Date	:NA	7)NEHER, Haiko

(57) Abstract:

An air-guiding device (12) for a vehicle, which air-guiding device is arranged in a rear-end region of the vehicle and comprises at least one central main air-guiding element (13) which is displaceable from a retracted rest position into a deployed operating position, wherein lateral auxiliary air-guiding elements (14, 15) are adjustable substantially linearly or in translational fashion relative to the or each main air-guiding element (13) in a direction transversely with respect to the longitudinal direction of the vehicle in order to be transferred from a rest position, in which they are retracted into the main air-guiding element (13), into an operating position, in which they are deployed out of the main air-guiding element (13), wherein each auxiliary air-guiding element is guided in, and movable along, a guide unit (22) which is accommodated in the main air-guiding element (13), wherein each auxiliary air-guiding element (14, 15) is guided in the guide unit (22) both in a first direction by means of in each case at least one slide element (26) and also in a second direction by means of in each case at least one guide pin (27).

No. of Pages: 24 No. of Claims: 13

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: ROTATING ELECTRICAL MACHINE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:H02N1/08 :2013- 107260 :21/05/2013 :Japan :NA :NA :NA :NA	(71)Name of Applicant: 1)KABUSHIKI KAISHA TOSHIBA Address of Applicant: 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, JAPAN (72)Name of Inventor: 1)Norio Takahashi 2)Tomonobu Takeda 3)Makoto Matsushita 4)Yutaka Hashiba 5)Daisuke Misu 6)Katsutoku Takeuchi 7)Mikio Takabatake 8)Yusuke Matsuoka
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(57) Abstract:

In general, according to an embodiment, in a cross section of a rotator iron core vertical to a rotation center, a second edge is positioned on a more outer side than a first edge in a radial direction of a rotator iron core. An outer-peripheral central engaging projection is formed in a part of the second edge that is most convex toward a rotation center. An inner-peripheral engaging projection is formed in the vicinity of each of both end portions of the first edge. A magnet can be fixed between the outer-peripheral engaging projection and one of the inner - peripheral engaging projections and a magnet can be fixed between the outer-peripheral central engaging projection and the other inner-peripheral engaging projection such that a cross section of the magnets vertical to the rotation center is line-symmetric to a straight line connecting the rotation center and the outer-peripheral central engaging projection.

No. of Pages: 39 No. of Claims: 7

(22) Date of filing of Application :20/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: LIGHT-EMITTING-DIODE LIGHT BAR AND RELATED PLANAR LIGHT SOURCE

Filing Date :NA (72)N	N HSIANG, HSIN CHU COUNT R.O.C. Taiwan SAI, PEI-JIE Name of Inventor:
(87) International Publication No : NA 1)K	KUO, CHIN-PIAO (SAI, PEI-JIE
Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	2.22, 2.22, 0.22

(57) Abstract:

A LED light bar, a related planar light source and a method of manufacturing such light bar is provided. The light source includes a light guide plate having a first surface and a second surface; at least one light bar, on which a plurality of LEDs is disposed, wherein the light bar is disposed on a lateral side of the light guide plate, and the LEDs are disposed inside the light guide plate to output light; a reflector, which is disposed outside the second surface and reflects light; and a diffuser, which is disposed outside the first surface and scatters reflected light of the reflector. Because LEDs are pre-disposed in a mold when the light guide plate is manufactured, the LEDs and the light guide plate are integrally formed, the loss of light can be avoided, and the efficiency of the planar light source can be enhanced.

No. of Pages: 39 No. of Claims: 16

(22) Date of filing of Application :27/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: POWER GENERATION APPARATUS USING WAVE ENERGY CONVERSION BY GRAVITY

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 	:F03B13/24 :102209898 :28/05/2013 :Taiwan :NA :NA	7
 (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	: NA :NA :NA :NA	T)CILLY, Simi-Tislung
Filing Date	:NA	

(57) Abstract:

A power generation apparatus (1, 1a) using wave energy conversion by gravity includes a sealed body (10, 10a), a rotor (20, 20a), a gear box (30,30a), a power generation motor (40, 40a), and a pontoon (50, 50a). The rotor (20, 20a), disposed in the sealed body (10, 10a), includes an eccentric disk (21, 21a), a plurality of rollers (22, 22a) and a rotating shaft (23, 23a) penetrating through the eccentric disk (21, 21a). A center of gravity of the eccentric disk (21, 21a) is disposed with an offset to that of the sealed body (10, 10a). The gear box (31) is driven by the rotating shaft (23, 23a). The power generation motor (40, 40a) is driven by the gear box (31) to rotate and generate electric power.

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

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention : UREA PRODUCTION PROCESS AND PLANT AND METHOD FOR MODERNIZING A UREA PRODUCTION PLANT

		(71)Name of Applicant:
		1)OTKRYTOE AKTSIONERNOE OBSCHESTVO
(51) International classification	:C07C273/04	RESEARCH & DESIGN INSTITUTE OF UREA AND
(31) Priority Document No	:2012134931	ORGANIC SYNTHESIS PRODUCTS (OAO NIIK)
(32) Priority Date	:15/08/2012	Address of Applicant :Griboedova Street 31 Nizhny Novgorod
(33) Name of priority country	:Russia	Region Dzerzhinsk 606008 Russia
(86) International Application No	:PCT/RU2013/000671	(72)Name of Inventor:
Filing Date	:05/08/2013	1)SERGEEV Yury Andreevich
(87) International Publication No	:WO 2014/027929	2)ANDREZHANOV Rinat Venerovich
(61) Patent of Addition to Application	:NA	3)VOROBYEV Aleksandr Andreevich
Number	:NA	4)SOLDATOV Aleksei Vladimirovich
Filing Date	.IVA	5)LOBANOV Nikolai Valeryevich
(62) Divisional to Application Number	:NA	6)PROKOPYEV Aleksandr Alekseevich
Filing Date	:NA	7)KUZNETSOV Nikolai Mikhailovich
		8)KOSTIN Oleg Nikolaevich
		9)ESIN Igor Veniaminovich

(57) Abstract:

The invention relates to processes and plants for producing urea from ammonia and carbon dioxide and can be used in the chemical industry and in the production of fertilizers. The process of producing urea by synthesizing same from carbon dioxide and ammonia at high temperatures and pressures with the two stage distillation of the synthesis products (at 1.5-2.5 and 0.2-0.5 MPa) and the recirculation of unreacted ammonia and carbon dioxide in the form of an aqueous solution of carbon ammounium salts (CAS) additionally includes a stage for the adiabatic separation of the synthesis products at a pressure of 8-12 MPa followed by distillation at the same pressure in a stream of carbon dioxide representing 40 60% of the total amount thereof introduced into the process; the corresponding plant is additionally provided with the equipment necessary to carry out this stage. The gases isolated during this distillation stage together with a portion of the adiabatic separation gases are subjected to absorption condensation at the same pressure of 8-12 MPa and are returned in the form of a CAS solution for synthesis. The technical result achieved by using the proposed process and plant and by the modernization of a plant for the implementation of the proposed process is an increase in the degree of conversion of the initial reagents in the synthesis zone.

No. of Pages: 21 No. of Claims: 3

(21) Application No.1279/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :13/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: SOLAR CELL

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date 	:B05D5/12 :61/823,138 :14/05/2013 :U.S.A. :NA :NA :NA	
Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The present invention relates to provide a solar cell including a substrate (110); a first electrode (120) formed on the substrate; an intermediate connection layer on the first electrode (120), the intermediate connection layer (130) including a first region (131) and a third region (133); a light absorbing layer (140) on the third region (133) of the intermediate connection layer (130); and a wire (160) on the first region (131) of the intermediate connection layer (130), wherein a thickness of the first region (131) of the intermediate connection layer (130).

No. of Pages: 26 No. of Claims: 20

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention : STRUCTURE OF CATHODE OF LITHIUM AIR BATTERY AND METHOD OF MANUFACTURING CATHODE THEREOF

(51) International classification	:H01M4/86	(71)Name of Applicant :
(31) Priority Document No	:2013- 121211	1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-Cho, Minami-Ku,
(32) Priority Date	:07/06/2013	Hamamatsu-Shi, Shizuoka-Ken 432-8611, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)IZUMI Hiroaki
Filing Date	:NA	2)KHALILUR Rahman
(87) International Publication No	: NA	3)KOMATSU Ryo
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A lithium-air battery is provided with a cathode of a structure including a cathode terminal and a sheet-like air electrode collector including a carbon fiber, wherein in a state of contacting the cathode terminal with the air electrode collector, the air electrode collector and the cathode terminal are heat-fused with a thermoplastic resin, and a peripheral edge portion of the air electrode collector is impregnated with the thermosetting resin.

No. of Pages: 38 No. of Claims: 8

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: CHEMICAL LOOPING INTEGRATION WITH A CARBON DIOXIDE GAS PURIFICATION UNIT

(51) International classification (31) Priority Document No	:B01J8/24 :13/923,800	
(32) Priority Date (33) Name of priority country	:21/06/2013 :U.S.A.	Address of Applicant :BROWN BOVERI STRASSE 7, 5400 BADEN, SWITZERLAND
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ANDRUS, HERBERT E. JR.
(87) International Publication No	: NA	2)JUKKOLA, GLEN D.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)THIBEAULT, PAUL R. 4)LILJEDAHL, GREGORY N.
(62) Divisional to Application Number	:NA	DECEMBER OF THE STATE OF THE ST
Filing Date	:NA	

(57) Abstract:

A chemical looping system that contains an oxidizer and a reducer is in fluid communication with a gas purification unit. The gas purification unit has at least one compressor, at least one dryer; and at least one distillation purification system; where the gas purification unit is operative to separate carbon dioxide from other contaminants present in the flue gas stream; and where the gas purification unit is operative to recycle the contaminants to the chemical looping system in the form of a vent gas that provides lift for reactants in the reducer.

No. of Pages: 16 No. of Claims: 19

(22) Date of filing of Application :07/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: GRIPPER, TWISTING HEAD AND TWISTING APPARATUS

(74) 7	D04445404	71.33
(51) International classification	:D01H7/04	(71)Name of Applicant:
(31) Priority Document No	:13167060.6	1)Schleuniger Holding AG
(32) Priority Date	:08/05/2013	Address of Applicant :Bierigutstrasse 9, 3608 Thun (CH)
(33) Name of priority country	:EPO	Switzerland
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KEIL, Uwe
(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 gripper for electrical or optical lines (24, 24TM) such as wires, cables, line bundles, optical fibres has two gripper jaws (22, 22TM) which can be moved relative to a counterbearing by means of a drive arrangement as well as rela-tive to one another. Typically twisting heads (4) for twisting apparatuses for the said lines (24, 24TM) are equipped with such grippers. The gripper and therefore also the twisting head (4) and the twisting appa-ratus are provided with a drive arrangement which comprises at least one drive (17) with adjustable force, which acts via a link chain (15, 19, 19[~], 20, 20TM) on the or each gripper jaw (22, 22[~]). The link chain (15, 19, 19[~], 20, 20[~]) in this case has a section (19, 19TM) which is movable parallel to the drive (17) but in the opposite direction of move-ment.

No. of Pages: 23 No. of Claims: 12

(21) Application No.1297/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: SUPPORT FOR COOLING/HEATING BEVERAGES IN VEHICLES

(32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (87) International Publication No (87) International Publication No (88) International Publication No (89) International Publication No (80) Patent of Addition to Application Number Filing Date (80) Divisional to Application Number Filing Date (81) Address of Applicant : CABANELAS, 8. 32516 (CARBALLINO. ORENSE. SPAIN (72) Name of Inventor: 1) IGLESIAS SOTO, LUIS NA (81) International Publication Number Filing Date (NA	 (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:201330724 :11/06/2013 :Spain :NA :NA : NA :NA :NA	Address of Applicant :CABANELAS, 8. 32516 CARBALLINO. ORENSE. SPAIN (72)Name of Inventor:
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(57) Abstract:

Support for cooling/heating beverages in vehicles, intended for use and anchoring in the corresponding air conditioning outlet nozzles of a vehicle, the nozzles being provided for this purpose in the dashboard of the vehicle itself. The support is composed of a preferably cylindrical body, externally having a protrusion with a flat outer surface to adapt to the air outlet nozzle of the vehicle, in line with an area of its lateral surface, the air inlet nozzle of the vehicle also having a wide opening to the inside of the cylindrical body, and a number of tabs serving as anchoring clips on the air outlet nozzle of the vehicle, with the specific characteristic that air outlet orifices have been provided on the opposite end of the cylindrical body, as well as a guide along which a pushbutton stem with an inner horizontal plate for lifting the vessel or beverage container contained in the cylindrical body can be slid, by sliding said stem upwards.

No. of Pages: 12 No. of Claims: 3

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: SUPPORT STRUCTURE FOR STEERING SUPPORT MEMBER OF VEHICLE

(51) International classification	:B62D1/19	(71)Name of Applicant:
(31) Priority Document No	:2013- 109804	1)Suzuki Motor Corporation Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:24/05/2013	Hamamatsu-shi, 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)KURIAGE, Yoshitaka
(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 steering support member 4 is disposed on the vehicle rear side Rr of a dash panel so as to extend in the vehicle width direction. A bracket 10 is interposed between a bottom end portion 5K of a support member 5 and a top portion of a floor tunnel 3. The bracket 10 has a top wall 11, a pair of (left and right) side walls 12 which are fixed to top end portions of a pair of (left and right) side walls 9 of the floor tunnel 3, respectively, a vertical wall 15, and a first flange 13 which is fixed to a top surface of the floor tunnel 3. The bottom end portion 5K of the support member 5 is fixed to an outside surface of the vertical wall 15 of the bracket 10.

No. of Pages: 31 No. of Claims: 6

(22) Date of filing of Application :29/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: LASER WELDING METHOD, WELDED WORKPIECE AND FUEL INJECTION VALVE

:F02M61/18	(71)Name of Applicant:
:2013- 125923	1)Hitachi Automotive Systems, Ltd. Address of Applicant :2520, Takaba, Hitachinaka-shi, Ibaraki,
:14/06/2013	JAPAN
:Japan	(72)Name of Inventor:
:NA	1)ZHANG Xudong
:NA	2)KOBAYASHI Nobuaki
: NA	3)MOTEGI Yasuhiro
:NA	4)YADE Norihiro
:NA	
:NA	
:NA	
	:2013- 125923 :14/06/2013 :Japan :NA :NA :NA :NA

(57) Abstract:

Porosities need to be suppressed in deep penetration (keyhole mode) laser welding that requires a shallow penetration depth and a continuous welded part. A laser welding method is provided in which laser beams, with its laser power cyclically changed, are emitted onto a welding workpiece to perform deep penetration laser welding, wherein a laser emission time Tb is set to a time to form a keyhole until reaching a required penetration depth, and a laser outage time Tb is set to be shorter than a time until the middle part of the keyhole closes.

No. of Pages: 24 No. of Claims: 8

(22) Date of filing of Application :07/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: MICROWAVE PRESSURE COOKER

(51) International classification (31) Priority Document No	:A47J36/02 :13/898,187	(71)Name of Applicant: 1)DART INDUSTRIES INC.
(32) Priority Date	:20/05/2013	
(33) Name of priority country	:U.S.A.	TRAIL, ORLANDO, FLORIDA 32837, U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DIMITRI M.C.J. BACKAERT
(87) International Publication No	: NA	2)RALPH F.E. EIKELENBERG
(61) Patent of Addition to Application Number	:NA	3)INE M.K. VANDAELE
Filing Date	:NA	4)LEDU Q. NGUYEN
(62) Divisional to Application Number	:NA	5)EDWARD M. POSLINSKI
Filing Date	:NA	

(57) Abstract:

A microwave pressure cooker including safety interlock mechanisms. A blow vent is provided in the cooker lid. and a lock bar is pivoted to the cooker lid in a position to block the blow vent when the lock bar is resting under its own weight. The free end of the lock bar includes a lock tab with a spline projecting outward. The lock tab extends through a slot at the periphery of the lid. The cooker base include a handle with a cam section ending in a lock wall. The cooker lid is placed on the base in a release position and rotated to a locking position. During this rotation the lock tab rides over the cam section and then falls adjacent the lock wall, thus sealing the blow vent. After cooking the cover is physically prevented from rotating back to the release position by the lock tab abutting the lock wall. The user must physically lift the lock bar which in turn unseals the blow vent to ensure internal pressure is released. The spline may hold the lock bar in the raised position during rotation to the release position.

No. of Pages: 18 No. of Claims: 2

(22) Date of filing of Application :07/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention : CELL HOLDING CASE AND CELL PACKAGING BODY PROVIDED WITH HOUSING CHAMBER FOR HOUSING SAME

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:H01M2/10 :2012166748 :27/07/2012 :Japan :PCT/JP2013/004552 :26/07/2013 :WO 2014/017103 :NA :NA :NA	(71)Name of Applicant: 1)PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO. LTD. Address of Applicant: 1 61 Shiromi 2 chome Chuo ku Osaka shi Osaka 5406207 Japan (72)Name of Inventor: 1)IMANISHI Yoshiaki 2)SUMIMOTO Daisuke 3)KAWAGUCHI Shinichi 4)HASE Hiroshi
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(57) Abstract:

The present invention is a holding case (10) for holding a disc shaped flat type cell (1). The flat type cell (1) is configured such that a sealing plate (6) which serves as a first electrode face and a cell case (5) which serves as a second electrode face are sealed via a ring shaped gasket (7). The holding case (10) has a box shaped form made from resin and having an open end face (13a) which enables removal from the electrode face of the flat type cell (1); a protruding part (15) for protruding into the inside in the radial direction from the rim part of the open end face (13a) side is formed in a side face part (13) of the holding case (10); and the protruding part (15) is formed at a position which is separated from a bottom face part (14) of the holding case (10) by a distance which is greater than the thickness of the flat type cell (1).

No. of Pages: 37 No. of Claims: 11

(21) Application No.1426/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :29/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: VEHICLE FRONT STRUCTURE

(51) International classification (31) Priority Document No	:2013- 130763	(71)Name of Applicant: 1)SUZUKI MOTOR CORPORATION Address of Applicant: 300, Takatsuka-cho, Minami-ku,
(32) Priority Date		Hamamatsu-shi, Shizuoka-ken, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)SUMINO, Taku
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:

[Problem to be Solved] An object is to provide a vehicle front structure capable of stably performing load absorption by preventing an absorber from being displaced in a vertical direction of the vehicle and allowing the absorber to be collectively crushed at a specific area without being scattered when a load is input from ahead of the vehicle, and also capable of achieving reduction in the size and weight by shortening the lengths of a bumper member and an absorber in a fore-and-aft direction of the vehicle, and by reducing a dimension of the bumper member in the vertical direction of the vehicle. [Solution] A vehicle front structure includes a bumper member 3 provided along a vehicle width direction on a vehicle front side of a side member 2 extending in a vehicle fore-and-aft direction, and an absorber 4 provided in the vehicle front side in front of the bumper member, wherein the bumper member is formed so that its vehicle rear side projects in a raised shape and its vehicle front side opens to form a U-shape turned sideways or a hat-shape in cross section, and lengths of an opening part 31a of a body part 31 in the bumper member 3 and a rear end of the absorber 4 which is a fragile part 42 in the vertical direction of the vehicle are configured to be identical, or a size of the fragile part 42 in the absorber 4 is configured to be the size allowing the fragile part 42 to be arranged in the opening part 31a of the body part 31.

No. of Pages: 26 No. of Claims: 8

(21) Application No.1001/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: METHODS OF STORING INFORMATION USING NUCLEIC ACIDS

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:61/673690 :19/07/2012 :U.S.A. :PCT/US2013/050815 :17/07/2013 :WO 2014/014991 :NA :NA	(71)Name of Applicant: 1)PRESIDENT AND FELLOWS OF HARVARD COLLEGE Address of Applicant: 17 Quincy Street Cambridge 02138 U.S.A. (72)Name of Inventor: 1)CHURCH George M.
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The present invention relates to methods of storing data using one or more nucleic acids.

No. of Pages: 43 No. of Claims: 16

(21) Application No.1259/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: HIGH PERFORMANCE PULSE VALVE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No 	:F16K31/12 :13/892,938 :13/05/2013 :U.S.A. :NA :NA	
 (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:NA :NA :NA :NA	2)ANDERSOON, NOTED TO

(57) Abstract:

A pulse valve arrangement includes a valve housing on which is fixed a control valve The valve housing includes a circular cylindrical portion with a valve member movably arranged therein. The valve chamber has an inlet adapted to be connected to a pressure medium source for allowing pressure medium to flow into the valve chamber and an outlet through which pressure medium flows out of the valve chamber. The control valve may be closed in which the outlet of the valve chamber is moved to a closing position blocking the flow of pressure medium, or may be opened in which the outlet of the valve chamber is moved to an opening position allowing a pulse of pressure medium therethrough. The valve member within the valve housing is freely displaceable within the circular cylindrical portion of the valve housing based on the pressure within the valve chamber as controlled by the control valve.

No. of Pages: 17 No. of Claims: 8

(21) Application No.1260/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: QUIET PULSE VALVE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date 	:F16K47/02 :13/892,774 :13/05/2013 :U.S.A. :NA :NA :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A relatively quiet pulse valve and a method of using the pulse valve are provided. The pulse valve includes a dampening mechanism to decrease mechanical stresses, decrease operating noise, decrease compressed air waste and increase operational life expectancy of the valve. Such dampening mechanism is arranged within an internal area of the pulse valve housing.

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

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: FILTER UNIT WITH A SIGNAL UNIT AND A SIGNAL TRANSFER UNIT

(51) International classification	:A61B5/00	(71)Name of Applicant:
	:10 2013	1)ROBERT BOSCH GmbH
(31) Priority Document No	214 629.9	Address of Applicant :Postfach 30 02 20, 70442 Stuttgart
(32) Priority Date	:26/07/2013	Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)GRUBER, Thomas
Filing Date	:NA	2)GARCIA, Martha Carolina Sanchez
(87) International Publication No	: NA	3)BALLIER, Fabian-Felix
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present subject matter relates to a filter device (10) for filtering a fluid, in particular of a motor vehicle, comprising a filter housing (12, 14) and a filter element (24, 40) to be coupled thereto, wherein an electrical signal device (50, 52, 64, 66, 68, 70, 72) is provided for detecting the presence of a proper filter element, which comprises at least one electrical signal transfer unit (52, 64, 66) between the filter housing (12, 14) and the filter element (24, 40). According to the present subject matter, the at least one electrical signal transfer unit (52, 64, 66) is configured with at least a sectional circular conductor path (64).

No. of Pages: 28 No. of Claims: 12

(22) Date of filing of Application :07/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: PACKAGE OF THE TWO MATERIAL BOX TYPE FOR PACKAGING A PRODUCT

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	:B65D5/56,B65D5/66,B65D25/14 :1256620 :10/07/2012 :France	(71)Name of Applicant: 1)DROPSY Philippe Address of Applicant: 8 Rue Lucien Poullain F 17200 Royan France
(86) International Application No Filing Date	:PCT/FR2013/051642 :09/07/2013	2)DROPSY Marie Claude (72)Name of Inventor : 1)DROPSY Philippe
(87) International Publication No	:WO 2014/009655	2)DROPSY Marie Claude
(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 package (1) of the two material box type for packaging a product advantageously a foodstuff. This package (1) comprises an outer envelope (2) which is made up of two envelope parts (5,6) connected by hinge forming means (10) for moving them between a closed position so as to jointly define a closed storage volume (1) intended to contain said product and an open position so as to allow access to said storage volume (1) said two envelope parts (5,6) being internally covered by one and the same sealed one piece plastics film (3). In accordance with the invention the two envelope parts (5,6) are made up of two separate parts; and said sealed plastics film (3) has an interposed strip (10) extending between said two separate envelope parts (5,6) so as to form said hinge means.

No. of Pages: 14 No. of Claims: 10

(21) Application No.1005/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: RECONSTITUTION DEVICE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:A61J1/20 :2785130 :09/08/2012 :Canada :PCT/CA2013/000684 :05/08/2013 :WO 2014/022909 :NA :NA :NA	(71)Name of Applicant: 1)DUOJECT MEDICAL SYSTEMS INC. Address of Applicant:50 Rue de Gaspe Complex B 5 Bromont Quebec J2L 2N8 Canada (72)Name of Inventor: 1)TREMBLAY Yan 2)VIENS Mathieu 3)HAMEL Simon 4)CLOUTIER Sylvain
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(57) Abstract:

A reconstitution arrangement for transferring the contents of a first container (136) with the contents of a second container (110) and subsequently retransferring the mixture to the first container (136) the arrangement including a transfer device (114) having a fluid passageway extending between first and second ends (111, 113) a cartridge holder (138) secured to second end (113) of the transfer device the cartridge holder (138) having a needle (144, 145) with first and second piercing tips (117, 119) the first piercing tip (117) extending into the fluid passageway of the transfer device a first container receiving portion (115) having the second piercing tip (119) extending therein and being arranged to receive the first container (136) a housing (118) secured to the cartridge holder with a plunger rod (122) within the housing and a cover (130) extending over the transfer device (114) cartridge holder (138) and housing (118) the cover and transfer device having an interlocking arrangement to prevent removal of the cover (130) until activated by the second container (110).

No. of Pages: 30 No. of Claims: 12

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: FERRITE CIRCULATOR WITH REDUCED-HEIGHT TRANSFORMERS

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number 	:H01P1/39 :13/959,977 :06/08/2013 :U.S.A. :NA :NA :NA	,
(61) Patent of Addition to Application Number Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

(57) Abstract:

A circulator comprises a waveguide housing having a plurality of hollow waveguide arms that communicate with a central cavity, the waveguide housing having a height defined by a plurality of waveguide sidewalls between a waveguide floor and a waveguide ceiling. A ferrite element is disposed in the central cavity of the waveguide housing, with the ferrite element including a central portion. The ferrite element further includes a plurality of ferrite segments that each extend from the central portion and terminate at a distal end. A plurality of dielectric transformers each having an upper surface protrude into the waveguide arms away from the central cavity along the waveguide floor. The dielectric transformers have a height that is less than the height of the waveguide housing such that the upper surface of the transformers is separated from the waveguide ceiling by a gap.

No. of Pages: 37 No. of Claims: 20

(21) Application No.1397/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: CIRCUIT BREAKER

(31) Priority Document No :2013- 118949	(71)Name of Applicant: 1)PANASONIC CORPORATION Address of Applicant:1006, Oaza Kadoma, Kadoma-shi, 3 Osaka 571-8501, Japan. (72)Name of Inventor: 1)Shinji TAKAYAMA
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(57) Abstract:

A circuit breaker includes a fixed contact plate provided with a fixed contact, a movable contact arm provided with a movable contact, and a trip mechanism. The trip mechanism includes a coil in which the fixed contact plate is connected to one end of the coil. The trip mechanism is designed to actuate, when a short circuit current flows through the coil, the movable contact arm to open a contact section (movable contact and fixed contact). The fixed contact plate and the movable contact arm are designed so that part of the fixed contact plate is arranged aligned with part of the movable contact arm in an on-state of the contact section. The fixed contact plate is connected to a region that is on an opposite side of the one end of the coil from the movable contact.

No. of Pages: 40 No. of Claims: 7

(21) Application No.146/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention: HELMET COVER ASSEMBLY HAVING AT LEAST ONE MOUNTING DEVICE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:A42B3/00 :61/660926 :18/06/2012 :U.S.A. :PCT/US2013/046081 :17/06/2013 :WO 2013/192070 :NA :NA	(71)Name of Applicant: 1)GENTEX CORPORATION Address of Applicant: 324 Main Street Carbondale PA 18704 U.S.A. (72)Name of Inventor: 1)LONG Richard J.
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A helmet cover includes a cover configured to extend over a helmet and at least one mount attached to the cover. In one embodiment a backing plate is coupled to the at least one mount and the cover is sandwiched between the backing plate and the at least one mount.

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

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: HYDRAULIC CONTROL SYSTEM HAVING SWING MOTOR ENERGY RECOVERY

(51) International classification :F15B21/08,E02F9/22,F15B1/02

(31) Priority Document No :61/695382 (32) Priority Date :31/08/2012

(33) Name of priority country :U.S.A.

(86) International Application No:PCT/US2013/057238

Filing Date :29/08/2013 (87) International Publication No :WO 2014/036229

(61) Patent of Addition to

Application Number :NA
Filing Date :NA

(62) Divisional to Application
Number
:NA

Filing Date :NA

(71)Name of Applicant: 1)CATERPILLAR INC.

Address of Applicant: 100 N.E. Adams Street Peoria IL 61629

9510 U.S.A.

(72)Name of Inventor:

1)ZHANG Jiao 2)MA Pengfei 3)SHANG Tonglin 4)CESUR Rustu 5)HILLMAN Bryan J.

6)SPRING Peter

7)TOGNETTI Lawrence J. 8)PETERSON Randal N.

9)CHEN Dayao

(57) Abstract:

A hydraulic control system (50) is disclosed for use with a machine (10). The hydraulic control system may have a tank (60) a pump (58) a swing motor (49) and at least one control valve (56) configured to control fluid flow between the pump the swing motor and the tank. The hydraulic system may also have an accumulator (108) configured to selectively receive pressurized fluid discharged from the swing motor and selectively supply pressurized fluid to the swing motor at least one accumulator valve (122, 124) and a controller (100). The controller may be configured to receive input indicative of a difference between desired and actual speeds of the swing motor and determine if the swing motor is accelerating or decelerating based on the difference. The controller may also be configured to control the at least one accumulator valve to cause the accumulator to selectively receive or supply pressurized fluid only when the swing motor is accelerating or decelerating.

No. of Pages: 40 No. of Claims: 10

(21) Application No.1270/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :12/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: PEDESTRIAN-TO-VEHICLE COMMUNICATION SYSTEM

(51) International classification	:G06G7/78	(71)Name of Applicant:
(31) Priority Document No	:2013- 102944	1)Suzuki Motor Corporation Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:15/05/2013	Hamamatsu-shi, Shizuoka 432-8611 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)HIGASHI, Kenichi
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 pedestrian-to-vehicle communication system for performing communication between a vehicle communication apparatus and a pedestrian communication apparatus and to notify a driver of a vehicle of a collision possibility that the vehicle and the pedestrian will collide with each other when the collision possibility is determined on the basis of position information of the pedestrian acquired by the communication. A pedestrian position detection unit is configured to detect a position of the pedestrian. A validity determination unit is configured to determine validity of the position information of the pedestrian. A transmission cycle setting unit is configured to set a transmission cycle of the position information of the pedestrian on the basis of the validity of the position information of the pedestrian determined by the validity determination unit.

No. of Pages: 29 No. of Claims: 5

(21) Application No.140/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention: METHOD FOR PRODUCING ANTIBODY MOLECULES HAVING INTER SPECIES INTRA TARGET CROSS REACTIVITY

(51) International :C07K16/28,C12N15/10,C40B40/08 classification

(31) Priority Document No :61/695664

(32) Priority Date :31/08/2012

(33) Name of priority country: U.S.A.

(86) International Application: PCT/EP2013/067979

No :30/08/2013 Filing Date

(87) International Publication :WO 2014/033252

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to :NA **Application Number** :NA

Filing Date

(71)Name of Applicant:

1)ARGEN X BV

Address of Applicant: Willemstraat 5 NL 4811 AH Breda

Netherlands

(72) Name of Inventor:

1)DE HAARD Johannes Joseph Wilhelmus 2)BLANCHETOT Christophe Frederic Jerome

3)VAN DER WONING Sebastian Paul

(57) Abstract:

A method is disclosed for producing an antibody molecule having inter species intra target cross reactivity. The method comprises the steps of creating a first immune library for a target antigen from a first species for example man; combining variable regions from the first immune library in a chain shuffling protocol to produce a second immune library; and screening the second immune library for affinity to both the target antigen and a corresponding antigen from a second species. The second species is different from the first species. By using a suitable test animal as the second species the method paves the way to convenient testing of the antibody molecule.

No. of Pages: 29 No. of Claims: 24

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

(54) Title of the invention: SYSTEM AND METHOD FOR COLLECTING PARTICLES IN A WIND TURBINE ROTOR BLADE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:B23B :13/013933 :26/01/2011 :U.S.A. :NA :NA :NA :NA :NA :NA	,
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(57) Abstract:

A particle trap for collecting loose particles includes a container having an enclosure and at least one opening, and a feed hopper, wherein the feed hopper is connected to the at least one opening of the container, and wherein the particle trap is adapted for collecting particles moving in a direction of an opening of the feed hopper. Further, a method for collecting particles inside a wind turbine rotor blade is disclosed.

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

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: ENGINE COMPARTMENT ARRANGEMENT FOR A MOTOR VEHICLE

(51) International classification	:B62D25/08	(71)Name of Applicant:
(31) Priority Document No	:10 2013	1)Dr. Ing. h.c. F. Porsche Aktiengesellschaft
(31) Thomas Boomment 110	106 527.9	Address of Applicant :Porscheplatz 1, 70435 Stuttgart
(32) Priority Date	:21/06/2013	Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)KRIENER, Philipp
Filing Date	:NA	2)FISCHER, Oliver
(87) International Publication No	: NA	3)HENRICH, Markus
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		•

(57) Abstract:

An engine compartment arrangement (10) for a motor vehicle having a front-side motor vehicle engine is provided, having a front screen (24) which points in the driving direction, a side part (14) which forms a wheel arch (18) for the lateral delimitation of an engine compartment (12), an assembly which is arranged on the front side of the wheel arch (18), in particular an engine control unit (20) for controlling a motor vehicle engine and/or a hydraulic assembly (40), in particular for brake regulation in an ABS system, an engine bonnet (16) for the upper delimitation of the engine compartment (12), an inlet opening (16) which is delimited by the engine bonnet (16) and the front screen (24) for driving wind (28) which is backed up on the front screen (24) being formed between a rearside end edge (22) of the engine bonnet (16) and the front screen (24) in the engine compartment (12), and a flow guide means (30), in particular an engine compartment covering, for guiding the backed-up driving wind (28) which enters via the inlet opening (26) as far as the assembly (20, 40) which is arranged on the front side of the wheel arch (18). With the aid of the flow guide means (30), driving wind which backs up on the front screen (24) can be guided for cooling purposes into an otherwise unreachable region of the engine compartment (12) on the front side of the wheel arch (18), without it being necessary for this purpose for driving wind which impacts on a front side of the motor vehicle to be branched off, with the result that satisfactory cooling is made possible of the assemblies (20, 40) which are arranged in the engine compartment (12) of the motor vehicle.

No. of Pages: 16 No. of Claims: 10

(21) Application No.1412/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: SELF-CONTAINED, BUOYANT, AND WATER-TIGHT WIRELESS FLOOD DETECTOR

(51) International algoritication	.C00D21/10	(71) Name of Applicant
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:13/913,934	1)HONEYWELL INTERNATIONAL INC.
(32) Priority Date	:10/06/2013	Address of Applicant :101 Columbia Road, P. O. Box 2245,
(33) Name of priority country	:U.S.A.	Morristown, N.J. 07962-2245, U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KENNETH G. ESKILDSEN
(87) International Publication No	: NA	2)ROBERT E. LEE
(61) Patent of Addition to Application Number	:NA	3)KEVIN G. PIEL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A floatable flood detector has a watertight housing which carries internally a wireless transmitter and a fluid sensor. In the presence of sensed fluid, an alarm message can be transmitted by the transmitter to a displaced monitoring unit. The sensor has a portion exposed to the fluid of interest, outside of the housing. The antenna is carried, at least at a fluid level, relative to the floating housing.

No. of Pages: 14 No. of Claims: 15

(21) Application No.161/DEL/2012 A

(19) INDIA

(22) Date of filing of Application:19/01/2012 (43) Publication Date: 12/06/2015

(54) Title of the invention : INTERFACE FOR ROBOTIC TOTAL STATION AND COMPUTER SYSTEM WITH EMBEDDABLE INSTRUCTION SET.

(51) International classification	:G06K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DR. KAMAL JAIN
(32) Priority Date	:NA	Address of Applicant :DEPARTMENT OF CIVIL
(33) Name of priority country	:NA	ENGINEERING, IIT ROORKEE, ROORKEE, STATE-
(86) International Application No	:NA	UTTRAKHAND (INDIA) PIN-247667
Filing Date	:NA	2)SUSHIL KUMAR
(87) International Publication No	:NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)DR. KAMAL JAIN
Filing Date	:NA	2)SUSHIL KUMAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

Robotic Total Stations (RTS) with Geodimeter Control Unit (GCU) are preprogrammed only for few surveying applications. Moreover they don't facilitate online data and command transfer. An interface to connect RTS with Computer System is designed in the research work presented here for online data and command transfer between them. Instructions of Core Instruction Set for Interface (CISI) can be embedded in application programs of some High Level Language (HLL) such that layouts of the user screens will be designed in HLL and Robotic applications of RTS will be controlled using instructions of CISI.applications of RTS will be controlled using instructions of CISI.

No. of Pages: 16 No. of Claims: 2

(21) Application No.161/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: REFRIGERATOR

(51) International classification: F25C1/24,F25D11/00,F25D23/02 (71)Name of Applicant:

:WO 2013/183890

:1020120061060 (31) Priority Document No (32) Priority Date :07/06/2012

(33) Name of priority country :Republic of Korea

(86) International Application :PCT/KR2013/004789 No :31/05/2013

Filing Date

(87) International Publication

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)SAMSUNG ELECTRONICS CO. LTD.

Address of Applicant: 129 Samsung ro Yeongtong gu Suwon

si Gyeonggi do 443 742 Republic of Korea

(72)Name of Inventor:

1)JEONG Jin

2)PARK Kyoung Ki 3)SON Bong Su 4)JANG Do Yun 5)AN Jae Koog

6)JEONG Bu Kil

(57) Abstract:

A refrigerator including an icemaker and an ice bucket provided at a door a feeding unit to feed ice cubes stored in the ice bucket a driving motor provided at a main body to drive the feeding unit and a coupling device to transmit driving force from the driving motor to the feeding unit. When the door is closed the driving motor is connected to the feeding unit. When the door is opened the driving motor is disconnected from the feeding unit. Accordingly the door has a simple structure the ice bucket has an increased capacity repair or replacement of the driving motor is easily achieved. The coupling device includes a first coupling unit and a second coupling unit which is engaged with the first coupling unit to receive driving force. The coupling device is configured to hide the coupling units when the door is opened.

No. of Pages: 38 No. of Claims: 15

(21) Application No.1291/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :14/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE

·F02P15/10	(71)Name of Applicant:
:2013-	1)Suzuki Motor Corporation
102945	Address of Applicant :300, Takatsuka-cho, Minami-ku,
:15/05/2013	Hamamatsu-shi, Shizuoka 432-8611 Japan
:Japan	(72)Name of Inventor:
:NA	1)YOSHIMURA, Kei
:NA	
: NA	
:NA	
:NA	
:NA	
:NA	
	:2013- 102945 :15/05/2013 :Japan :NA :NA :NA :NA

(57) Abstract:

There is provided a control device for an internal combustion engine. A variable valve actuation mechanism is configured to vary at least one of a phase and a lift amount of an intake valve and an exhaust valve of the internal combustion engine. A judging unit is configured to judge whether or not pre-ignition occurs. A control unit is configured to control the variable valve actuation mechanism according to a judgment result of the judging unit. If the judging unit judges that the pre-ignition occurs, the control unit controls the variable valve actuation mechanism to provide a period in which both the intake valve and the exhaust valve are closed in a process of shifting the internal combustion engine from an exhaust stroke to an intake stroke.

No. of Pages: 11 No. of Claims: 1

(21) Application No.1416/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :28/05/2014

(43) Publication Date: 12/06/2015

(54) Title of the invention : SLIP-CONTROLLED HYDRAULIC VEHICLE BRAKE SYSTEM AND METHOD FOR SLIP CONTROL

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 	:B60T8/40 :102013211600.4 :20/06/2013 :Germany :NA :NA	(71)Name of Applicant: 1)ROBERT BOSCH GmbH Address of Applicant: Postfach 30 02 20, 70442 Stuttgart Germany (72)Name of Inventor: 1)SCHMIDT, Thomas
(87) International Publication No(61) Patent of Addition to Application Number	: NA :NA	
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The invention relates to a slip-controlled hydraulic vehicle brake system (1). To simplify the construction, the invention proposes a hydraulic accumulator and a hydraulic pump in a rear-axle brake circuit II.

No. of Pages: 13 No. of Claims: 8

(22) Date of filing of Application :07/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention : METHOD AND APPARATUS FOR MEASUREMENT AND CALCULATION OF DEW POINT FOR FRACTIONATION COLUMN OVERHEADS

(51) International classification (31) Priority Document No	:B01D3/42,C10G7/12 :13/558887	(71)Name of Applicant: 1)UOP LLC
(32) Priority Date (33) Name of priority country	:26/07/2012 :U.S.A.	Address of Applicant :25 East Algonquin Road P. O. Box 5017 Des Plaines Illinois 60017 5017 U.S.A.
 (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 		(72)Name of Inventor: 1)HOEHN Richard K. 2)HARRIS James W. 3)GOYAL Amit 4)ZHU Xin X.

(57) Abstract:

Method and apparatus for controlling the operation of fractionation columns to avoid column flooding is described. The apparatus uses mass flow meters to measure the mass flow rates of the receiver vapor and the stripper hydrocarbon liquid stream or the stripper reflux and the stripper net overhead liquid. The water from the receiver can be measured with either a volumetric flow meter or a mass flow meter. The apparatus also includes at least one computer in communication with a molecular weight analyzer or specific gravity analyzer; an overhead vapor line pressure gauge; an overhead vapor line temperature gauge; a hydrocarbon liquid outlet line temperature gauge; the stripper hydrocarbon stream mass flow meter or the stripper reflux hydrocarbon liquid mass flow meter and the stripper net overhead hydrocarbon liquid mass flow meter; the vapor mass flow meter; and the water flow meter.

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

(21) Application No.162/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

(54) Title of the invention: EMERGENCY STOP DEVICE AND ELEVATOR HAVING THE SAME

(51) International classification	:H01K	(71)Name of Applicant:
(21) Drievite De sum est Ne	:2011-	1)HITACHI LTD.
(31) Priority Document No	025555	Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(32) Priority Date	:09/02/2011	CHIYODA-KU, TOKYO Japan.
(33) Name of priority country	:Japan	2)MITO ENGINEERING SERVICE CO., LTD
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SHUTO KATSUHARU
(87) International Publication No	:NA	2)MIYOSHI KAN
(61) Patent of Addition to Application Number	:NA	3)SEKI BUNRYO
Filing Date	:NA	4)YAMAZAKI IWAO
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

An emergency stop device is provided in a cage 12 and operates when a pull-up lever 19a is pulled up. The emergency stop device includes: brakes 52a and 52b that apply a brake to the cage; a brake operating mechanism; and deterrent application means 51. The pull-up lever 19a is rotatable about a fulcrum 58b and is configured to receive, at one end, a rotation force to rotate about the fulcrum 58b. The pull-up lever 19a is held in a normal state at a position 61, and the brakes 52a and 52b operate in a range until the pull-up lever 19a is pulled up to reach a horizontal position 62.

No. of Pages: 16 No. of Claims: 9

(22) Date of filing of Application :07/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: OBSTACLE SENSING MODULE AND CLEANING ROBOT INCLUDING THE SAME

:B25J19/02,B25J5/00,A47L9/00 (71)Name of Applicant : (51) International classification

(31) Priority Document No :1020120061059 (32) Priority Date :07/06/2012

(33) Name of priority country :Republic of Korea (86) International Application No :PCT/KR2013/005020

Filing Date :07/06/2013 (87) International Publication No: WO 2013/183955

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

1)SAMSUNG ELECTRONICS CO. LTD.

Address of Applicant: 129 Samsung ro Yeongtong gu Suwon

si Gyeonggi do 443 742 Republic of Korea

(72) Name of Inventor: 1)JEONG Yeon Kyu 2)KIM Dong Won 3)SO Jea Yun 4)YOON Sang Sik 5)JUNG Gwang Jin

6)KWON Joon Hyung

Provided are an image display apparatus and a method of controlling the same. The image display apparatus enabling voice recognition includes: a first voice inputter which receives a user side audio signal; an audio outputter which outputs an audio signal processed by the image display apparatus; a first voice recognizer which recognizes the user side audio signal received through the first voice inputter; and a controller which decreases a volume of the audio signal output through the audio outputter to a predetermined level if a voice recognition start command is received.

No. of Pages: 80 No. of Claims: 15

(22) Date of filing of Application :07/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: OPTICAL FIBER CLEAVING MECHANISM AND METHOD OF USE

(51) International classification	:G02B6/25,G02B6/255	(71)Name of Applicant:
(31) Priority Document No	:61/670855	1)TYCO ELECTRONICS RAYCHEM BVBA
(32) Priority Date	:12/07/2012	Address of Applicant :Diestsesteenweg 692 B 3010 Kessel Lo
(33) Name of priority country	:U.S.A.	Belgium
(86) International Application No	:PCT/EP2013/064766	(72)Name of Inventor:
Filing Date	:12/07/2013	1)KRECHTING Petrus Theodorus
(87) International Publication No	:WO 2014/009512	2)RUTGERS Petrus Theodorus
(61) Patent of Addition to Application	:NA	3)VAN ASSENBERGH Karel Johannes
Number	:NA	4)RADULESCU Cristian Radu
Filing Date	.11/1	5)WATT‰ Jan
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A cleaving mechanism and related method is adapted to cleave an optical fiber and thereby produce a cleaved end on the optical fiber. The cleaving mechanism includes a fixture a cleave tool for cleaving the optical fiber a clamp a scoring member and a tensioner. The fixture and clamp may hold the optical fiber without substantial twisting of the optical fiber. The fixture and/or the clamp may include a set of flexures that may include a pair of bending beam elements. The tensioner may include a voice coil and may detect slippage of the optical fiber. The tensioner may tune tension on the optical fiber and thereby tune a cleaving angle of the cleaved end. The cleaving mechanism may further include a vision system and thereby further tune the tension. The tensioner may compensate for wear of the cleaving mechanism. The cleave tool may include a bending anvil. The optical fiber may be included in a fiber optic cable that may further include a protective layer surrounding the optical fiber.

No. of Pages: 40 No. of Claims: 51

(21) Application No.148/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention : MALE AND FEMALE COMPONENTS FOR ASSEMBLING BY CLIPPING TOGETHER TWO PARTS MADE OF POLYMER MATERIAL AND CORRESPONDING ASSEMBLY

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:F16B21/07 :1255619 :15/06/2012 :France :PCT/FR2013/051254 :03/06/2013 :WO 2013/186457 :NA :NA :NA	(71)Name of Applicant: 1)RENAULT S.A.S. Address of Applicant:13 15 quai Le Gallo F 92100 Boulogne Billancourt France (72)Name of Inventor: 1)BOUILLON Jean Charles
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(57) Abstract:

The invention concerns a male component (10) and a female component (20) for assembling by clipping togefher two parts (2, 3) made of polymer material. The female component (20) comprises tabs (23, 24) of which the ends are formed of incli - ned flat surfaces (232, 233; 242, 243) which abut against corresponding flat surfaces (111, 112; 121, 122) of the male component o (10) when the latter is clipped into the female component (20). This efeatures, and a head (11) which is wider than it is tall of the male component (20), contribute to rsistance to pulling-out and to the absence of play in a clipping direction (Z).

No. of Pages: 23 No. of Claims: 11

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

(54) Title of the invention: LIGHT SOURCE DEVICE AND DISPLAY

(51) International classification	:G09D	(71)Name of Applicant:
(31) Priority Document No	:P2011-	1)SONY CORPORATION
(31) Thority Document No	015569	Address of Applicant :1-7-1 KONAN, MINATO-KU,
(32) Priority Date	:27/01/2011	TOKYO, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)MASARU MINAMI
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 light source device includes: a light guide plate having a first internal reflection plane and a second internal reflection plane which face each other; one or more light sources each applying illumination light through a side surface of the light guide plate into an interior thereof; and an optical device disposed to face the light guide plate, and modulating, for each of partial regions thereof, a state of light rays exiting therefrom. One or both of the first and the second internal reflection planes each have scattering regions each allowing the illumination light from the light sources to be scattered and exit from the first internal reflection plane of the light guide plate, and one or both of the first and second internal reflection planes each have total-reflection regions allowing the illumination light from the light sources to be reflected in a manner of total-internal-reflection.

No. of Pages: 52 No. of Claims: 12

(22) Date of filing of Application :07/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: ANALOG TO DIGITAL CONVERSION DEVICE

(51) International classification	:H03M1/12,H02J7/00	(71)Name of Applicant:
(31) Priority Document No	:12178324.5	1)ST ERICSSON SA
(32) Priority Date	:27/07/2012	Address of Applicant : Chemin du Champ des Filles 39 CH
(33) Name of priority country	:EPO	1228 Plan les Ouates Switzerland
(86) International Application No	:PCT/EP2013/065111	(72)Name of Inventor:
Filing Date	:17/07/2013	1)MINUTI Alberto
(87) International Publication No	:WO 2014/016185	2)GIRARDI Francesca
(61) Patent of Addition to Application	:NA	3)NICOLLINI Germano
Number	:NA	4)ZAMPROGNO Marco
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present disclosure relates to an electronic analog to digital conversion device (100) which comprises: an analog to digital conversion block (101) having a first input (1) for receiving a voltage signal (Vout) to be converted on the basis of a reference voltage signal (V) provided to a second input (2) of the same analog to digital conversion block (101); an input block (102) having an input terminal (3) and an output terminal (4) connected to the first input (1) of the analog to digital conversion block (101). The input block (102) is arranged for processing an input voltage signal (Vin) applied to the input terminal (3) to generate the voltage signal (Vout) at the output terminal (4). The input block (102) comprises: a first resistive network (103) operatively connected to both the input terminal (3) and the output terminal (4); a second resistive network (104) connected between the output terminal (4) and a reference potential (GND). The input block (102) is characterized by comprising an active network (105) connected between an output node (5) of the first resistive network (103) and the output terminal (4). The active network (105) has a first input terminal (6) directly connected to the second input (2) of the analog to digital conversion block (101) for receiving the same reference voltage signal (V) provided to the second input (2) so that the input voltage signal (Vin) is processed by the input block (102) on the basis of such reference voltage signal (V).

No. of Pages: 44 No. of Claims: 20

(21) Application No.160/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: WIRELESS TRANSFER SYSTEM AND METHOD FOR CONTROL OF WIRELESS TRANSFER **BAND**

(51) International :H04L27/00,H04B1/40,H04W28/18 classification

(31) Priority Document No :2012156324 (32) Priority Date :12/07/2012

(33) Name of priority country: Japan

(86) International Application :PCT/JP2013/004159

No

:04/07/2013

Filing Date

(87) International Publication :WO 2014/010209

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant: 1)NEC CORPORATION

Address of Applicant: 7 1 Shiba 5 chome Minato ku Tokyo

1088001 Japan

(72) Name of Inventor: 1)SAITO Kaichiro

(57) Abstract:

A wireless transfer device (100) is provided with: a transfer band control unit (13) for deciding upon a transfer band on the basis of the result of a comparison of communication quality information pertaining to wireless communication and a predetermined band control threshold value; a modulation scheme control unit (14) for deciding on a modulation scheme on the basis of the result of a comparison of communication quality information and a predetermined modulation control threshold value; a transmission process unit (11) for controlling the transfer band for packet signals on the basis of the transfer band decided upon by the transfer band control unit (13) and outputting packet signals; and a wireless transceiver unit (12) for performing a modulation process on the packet signals output by the transmission process unit (11) doing so on the basis of the modulation scheme decided upon by the modulation scheme control unit (14). The band control threshold value and the modulation control threshold value are different values. In so doing loss of high priority packet signals as well as transient fluctuations of transfer delay time are avoided.

No. of Pages: 28 No. of Claims: 6

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

(54) Title of the invention: COAL FLOW BALANCING DEVICES •

(51) International classification(31) Priority Document No	:B23B :13/010, 568	(71)Name of Applicant: 1)BABCOCK POWER SERVICES INC. Address of Applicant: 5 Neponset Street Worcester MA
(32) Priority Date		01606 U.S.A.
(33) Name of priority country (86) International Application No	:U.S.A. :NA	(72)Name of Inventor : 1)Vlad Zarnescu
Filing Date	:NA	2)Bonnie Courtemanche
(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 flow splitter distributes solid particles flowing in a fluid such as coal particles flowing in air through a piping system. The flow splitter includes a divider housing having an inlet configured to connect to an upstream pipe and having an outlet configured to connect to a plurality of downstream pipes e.g. by way of a divider head. A divider body is mounted within the divider housing. A plurality of divider vanes is included each extending from the divider body to the divider housing. The divider housing divider body and divider vanes are configured and adapted to reduce non-uniformity in particle concentration from the inlet and to supply a substantially equal particle flow from the outlet to each of the downstream pipes.

No. of Pages: 24 No. of Claims: 20

(21) Application No.167/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: CONVEYOR WORK STATION

(51) International :B65G21/22,B65G17/40,A41H42/00

classification (31) Priority Document No :12508347

(31) Priority Document No :12508347 (32) Priority Date :13/07/2012 (33) Name of priority :Sweden

country

(86) International PCT/SE2013/050892 Application No

Filing Date :12/07/2013

(87) International Publication: WO 2014/011113

No

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)ETON AB

Address of Applicant :Box 15001 S 507 15 Gnghester Sweden

(72)Name of Inventor: 1)DAVIDSSON Mikael

(57) Abstract:

The invention relates to a conveyor work station comprising an endless conveyor chain adapted to carry product carriers in a hanging manner from a loading position to a release position where the conveyor work station comprises an upper driven chain wheel positioned at the release position and a loading arrangement at the loading position wherein the conveyor work station further comprises a guide track arranged between the upper chain wheel and the loading arrangement where the guide track is adapted to support the conveyor chain thereby allowing the conveyor chain to be pushed from the upper chain wheel to the loading arrangement. The advantage of the invention is that a simple and reliable conveyor work station is provided which only comprises one chain wheel.

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

(22) Date of filing of Application :08/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention : CLIPPED TRIM MADE OF A POLYMERIC MATERIAL FOR THE DOOR OF A MOTOR VEHICLE AND DOOR PROVIDED WITH SAID TRIM

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application 	:B60R13/02 :1255616 :15/06/2012 :France :PCT/EP2013/051770 :30/01/2013 :WO 2013/185935 :NA	(71)Name of Applicant: 1)RENAULT S.A.S. Address of Applicant:13 15 quai Le Gallo F 92100 Boulogne Billancourt France (72)Name of Inventor: 1)BOUILLON Jean Charles 2)GUERLIN Philippe 3)MARTZ Philippe

(57) Abstract:

The invention relates to trim (10) made of a polymeric material for the door of a motor vehicle including a main mounting portion (12) and a secondary armrest portion (14) attached to the main portion (12). The secondary portion (14) has a peripheral strip (16) for assembly onto the main portion (12) which extends over the entire perimeter thereof and a bearing surface (18) extending substantially horizontally. The main (12) and secondary (14) portions are attached together by an assembly means connecting said peripheral assembly strip (16) to the main portion (12) and including: at least two main load take up housings (M1) shaped and positioned so as to take up loads applied in a single direction substantially perpendicular to the bearing surface (18) the main load take up housings (M1) being located along the bearing surface (18); and a plurality of snap fitting means (M2) evenly distributed along said peripheral assembly strip.

No. of Pages: 39 No. of Claims: 11

(22) Date of filing of Application :09/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: METHOD FOR TOOTH-MACHINING WORKPIECES

(51) International classification(31) Priority Document No(32) Priority Date	:10 2013 008 214.5	(71)Name of Applicant: 1)Liebherr-Verzahntechnik GmbH Address of Applicant: Kaufbeurer Strasse 141, 87437 Kempten, Germany.
(33) Name of priority country(86) International Application No	:Germany :NA :NA	(72)Name of Inventor: 1)Hansjrg Geiser
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:NA : NA :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The invention relates to a method for tooth-machining workpieces on a gear cutting machine, wherein on the one hand the gear cutting machine includes at least one main machining station and at least one secondary station with at least two workpiece spirdles, wherein furthermore the two workpiece spindles are alternately traversed into the working region of the main machining station and the secondary station, wherein the method for tooth-machining workpieces also includes a fine toothing step, in which a workpiece arranged at one of the workpiece spindles is subjected to fine toothing at a main machining station, and wherein finally the method for tooth-machining workpieces includes a secondary machining step, in which a workpiece arranged at one of the workpiece spindles is subjected to secondary machining at a secondary station by material removal andlor material forming, characterized in that for the duration of the fine toothing carried out at the main machining station no secondary rnachining each is carried out at the secondary station.

No. of Pages: 27 No. of Claims: 10

(22) Date of filing of Application :26/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: NANOCALORIMETER DEVICE AND METHODS OF OPERATING THE SAME

(54) 5		
(51) International classification	:G01N25/26	(71)Name of Applicant:
(31) Priority Document No	:13/955,750	
(32) Priority Date	:31/07/2013	Address of Applicant :1400 FOUNTAINGROVE
(33) Name of priority country	:U.S.A.	PARKWAY, SANTA ROSA, CA 95403-1738 US, U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RANGANATH, Tirumala R.
(87) International Publication No	: NA	2)COURVILLE, Carol J.
(61) Patent of Addition to Application Number	:NA	3)KINDER, Richard Michael
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A nanocalorimeter device includes a head (110) that defines first dispensing regions (112) configured to receive first drops (310) of first liquids and a cover (120) that defines second dispensing regions (122) corresponding to the first dispensing regions and configured to receive second drops (320) of second liquids. The first and second dispensing regions form corresponding nanocalorimeter cells (140) when the cover is connected to the head, each nanocalorimeter cell thereby containing first and second drops which are combined during a measurement run into a merged drop (340). The nanocalorimeter device further includes mini-bars (150) pre-dispensed in the second dispensing regions, respectively, each mini-bar including a high magnetic permeability material. A magnetic driver (160) is configured to generate a rotating magnetic field around the nanocalorimeter cells, where the rotating magnetic field causes the mini-bars to spin, mixing the first and second liquids in the merged drop within each nanocalorimeter cell.

No. of Pages: 29 No. of Claims: 20

(21) Application No.166/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

(54) Title of the invention: BIOMETRIC IMAGE DATA VALIDATION

(51) International alassification	.пол	(71) Name of Applicant
(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:NA	1)ALCATEL LUCENT
(32) Priority Date	:NA	Address of Applicant :3 avenue Octave Grard 75007 Paris
(33) Name of priority country	:NA	France
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)JAISWAL Sharad
(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:

Systems and methods for validating biometric image data are described herein. In one embodiment biometric image data of a biometric source corresponding to a user may be obtained. The biometric image data may be further analyzed to ascertain an acceptability index indicative of usability of the biometric image data for further processing. Further based on the acceptability index a feedback of the acceptability of the biometric data may be provided to the user.

No. of Pages: 29 No. of Claims: 16

(22) Date of filing of Application :08/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: METHOD AND APPARATUS FOR SEPARATING ALKYL AROMATIC HYDROCARBON

(51) International classification: C07C7/152,B01D11/04,C07C7/04 (71) Name of Applicant:

(31) Priority Document No :2012147540 (32) Priority Date :29/06/2012

(33) Name of priority country :Japan

(86) International Application :PCT/JP2013/067383

:25/06/2013 Filing Date

(87) International Publication

:WO 2014/003000

(61) Patent of Addition to :NA **Application Number**

:NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

1)MITSUBISHI GAS CHEMICAL COMPANY INC.

Address of Applicant: 5 2 Marunouchi 2 chome Chiyoda ku

Tokyo 1008324 Japan

(72)Name of Inventor:

1)NISHIUCHI Junva

2)NAGAO Shinichi

3)TANAKA Yoshitaka

4)KITAMURA Mitsuharu

5)OKA Hiroaki

(57) Abstract:

A method for separating an alkyl aromatic hydrocarbon comprising the steps of: adding a first diluent and an extraction agent comprising a superstrong acid to a mixture containing the alkyl aromatic hydrocarbon and at least one isomer thereof to carry out acid base extraction thereby forming a complex of the alkyl aromatic hydrocarbon and the superstrong acid and subsequently separating the complex from the mixture; and adding a release agent having a base degree of 0.06 to 10 relative to the alkyl aromatic hydrocarbon and a second diluent to the complex to carry out complex exchange between the alkyl aromatic hydrocarbon and the release agent thereby separating the alkyl aromatic hydrocarbon from the complex.

No. of Pages: 48 No. of Claims: 20

(21) Application No.1226/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :06/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: CALCIUM ALUMINATE CEMENT

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country(86) International Application No	:C04B24/04 :61/823,543 :15/05/2013 :U.S.A. :NA	
• • •		*** *** *** *** *** *** *** *** *** *
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor: 1)DOUGLAS OSTRANDER
(87) International Publication No	: NA	2)MARKUS SCHMID
(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 white calcium aluminate cement containing at least 90 % by weight of monocalcium aluminate, an A/C value in the range of 1.75 to 2.0, a fineness according to Blaine in the range of 3500 to 6000 cm2/g, a slope n in the range of 1.1 to 1.5 and a location parameter x1 of 8 20 μ m in an RRSB particle size grid according to DIN 66145 as well as its use in formulations of the construction chemical industry and the refractory industry.

No. of Pages: 41 No. of Claims: 11

(21) Application No.1434/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: CLUTCH DISC

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:F16D13/64 :102013210657.2 :07/06/2013 :Germany :NA :NA : NA :NA :NA	(71)Name of Applicant: 1)Schaeffler Technologies GmbH & Co. KG Address of Applicant: Industriestrae 1-3, 91074 Herzogenaurach (DE) Germany (72)Name of Inventor: 1)RAJENDRAN, Surulivel 2)KANNAN, Srivatsan
Filing Date	:NA :NA	

(57) Abstract:

The invention relates to a clutch disc comprising an input part, an input-side disc element, and an output-side disc element, wherein the input part is connected to the input-side disc element, wherein a vibration damper is provided between the input-side disc element and the output-side disc element, wherein a hub is connected to the output-side disc element to be rotatable through a predefinable angle, and wherein a clamp-like spring element is arranged between the hub and the output-side disc element.

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

(21) Application No.150/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: TREATING INFLAMMATION USING SERELAXIN

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No 	:A61K38/00 :61/677688 :31/07/2012 :U.S.A. :PCT/US2013/052536 :29/07/2013 :WO 2014/022294	(71)Name of Applicant: 1)NOVARTIS AG Address of Applicant: Lichtstrasse 35 CH 4056 Basel Switzerland (72)Name of Inventor: 1)UNEMORI Elaine
(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 methods of treating inflammation in a subject. Particularly the disclosure provides methods for treating inflammation by administering pharmaceutically active serelaxin in order to increase a soluble marker associated with reducing inflammation. Further encompassed in the present disclosure are method for treating inflammatory disorders and kits for administering pharmaceutically active serelaxin to subjects suffering from such disorders.

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

(22) Date of filing of Application :07/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention: BALANCER BALANCER HOUSING WASHING MACHINE HAVING THE SAME AND CONTROL METHOD THEREOF

(51) International

:D06F37/22,F16F15/32,D06F37/04 classification

:1020120061185 (31) Priority Document No (32) Priority Date :07/06/2012 (33) Name of priority country :Republic of Korea

(86) International Application :PCT/KR2013/004943 No

:05/06/2013 Filing Date

(87) International Publication

:WO 2013/183929

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71) Name of Applicant:

1)SAMSUNG ELECTRONICS CO. LTD.

Address of Applicant: 129 Samsung ro Yeongtong gu Suwon

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(72) Name of Inventor:

1)CHO Sung Jin 2)BAE II Sung 3)JO Ha Yeon

4)KIM Myung Chul 5)KIM Sung Jong 6)LEE Moo Hyung 7)MYOUNG Kwan Joo

8)JO Se Jin

(57) Abstract:

A washing machine having a balancer housing capable of transmitting electric power from an external power source to a balancing module. The washing machine includes a rotary drum and a balancer to counterbalance an unbalanced load generated in the rotary drum. The balancer includes a balancer housing mounted to the rotary drum and a balancing module having a moving unit to move inside the balancer housing. The balancer housing includes an electrode provided at an inner surface of the balancer housing in a circumferential direction thereof in order to transmit electric power to the moving unit of the balancing module an electric wire electrically connected to the electrode in order to apply electric power from an external power source to the electrode and a connector provided at an outer surface of the balancer housing in order to electrically connect the electric wire and the electrode.

No. of Pages: 43 No. of Claims: 15

(21) Application No.185/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application:08/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention: COMPLEMENT PATHWAY MODULATORS AND USES THEREOF

(51) International :C07D403/14,A61K31/403,A61K31/4155 classification

(31) Priority Document

:61/670868

:12/07/2012 (32) Priority Date (33) Name of priority :U.S.A.

country (86) International

:PCT/IB2013/055302

Application No Filing Date

:27/06/2013

(87) International Publication No

:WO 2014/009833

(61) Patent of Addition

:NA to Application Number :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)NOVARTIS AG

Address of Applicant: Lichtstrasse 35 CH 4056 Basel

Switzerland

(72) Name of Inventor:

1)HOMMEL Ulrich

2)LORTHIOIS Edwige Liliane Jeanne

3)MAIBAUM Juergen Klaus

4)OSTERMANN Nils

5)RANDL Stefan Andreas

6) VULPETTI Anna

(57) Abstract:

The present invention provides a compound of formula I: a method for manufacturing the compounds of the invention and its therapeutic uses. The present invention further provides a combination of pharmacologically active agents and a pharmaceutical composition.

No. of Pages: 61 No. of Claims: 22

(21) Application No.192/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application:08/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: BLAST FURNACE BLOW IN CHARCOAL AND METHOD FOR PRODUCING SAME

(51) International classification: C21B5/00,C10B53/00,C10B57/10 (71) Name of Applicant:

(31) Priority Document No :2012172756 (32) Priority Date :03/08/2012

(33) Name of priority country :Japan

(86) International Application :PCT/JP2013/063506

:15/05/2013 Filing Date

(87) International Publication :WO 2014/020965

(61) Patent of Addition to **Application Number** :NA Filing Date

:NA :NA Filing Date

:NA

(62) Divisional to Application Number

1)MITSUBISHI HEAVY INDUSTRIES LTD.

Address of Applicant :16 5 Konan 2 chome Minato ku Tokyo

1088215 Japan

(72)Name of Inventor: 1)OMOTO Setsuo

2)NAKAGAWA Keiichi 3)HAMADA Tsutomu

4)SAKAGUCHI Masakazu

(57) Abstract:

In this blast furnace blow in charcoal that is blown in from a tuyere to the interior of a blast furnace main body of a blast furnace facility the oxygen atom content (on a dry basis) is 10 20 wt% and the average pore size is 10 50 nm.

No. of Pages: 26 No. of Claims: 5

(21) Application No.1310/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention : APPARATUS FOR SINTERING A GLASS PREFORM FOR AN OPTICAL FIBER AND SINTERING METHOD THEREOF

(51) International classification	:C03B37/014	(71)Name of Applicant:
(31) Priority Document No	:2013-	1)SHIN-ETSU CHEMICAL CO., LTD.
(-, -, -, -, -, -, -, -, -, -, -, -, -, -	106731	Address of Applicant :6-1, Ohtemachi 2-chome, Chiyoda-ku,
(32) Priority Date	:21/05/2013	Tokyo,100-0004 Japan.
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)OTOSAKA , Tetsuya
Filing Date	:NA	2)UCHIDA ,Kazuya
(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 an apparatus for sintering a glass preform for an optical fiber, wherein the glass preform for the optical fiber is received in a muffle tube and is heated in an atmospheric gas while being suspended on a shaft and supported thereon, the apparatus comprising: a first gas seal that is provided at an upper end of the muffle tube, the shaft being inserted therethrough; a buffering chamber that is provided above the first gas seal and that covers the shaft; a second gas seal that is provided at an upper end of the buffering chamber, the shaft being inserted therethrough; and a unit that introduces the atmospheric gas exhausted from the muffle tube into the buffering chamber.

No. of Pages: 25 No. of Claims: 14

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: SERVICE PROVIDER ALLOCATION SYSTEM AND ALLOCATION MANAGEMENT DEVICE

(51) International classification	:H04L12/56	(71)Name of Applicant :
(31) Priority Document No	:2013- 110485	1)Hitachi, Ltd. Address of Applicant :6-6, Marunouchi 1-chome, Chiyoda-ku,
(32) Priority Date	:27/05/2013	Tokyo 100-8280, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)UESUGI Tadaoki
Filing Date	:NA	2)OSAWA Satoshi
(87) International Publication No	: NA	3)TERAHAMA Yukinori
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		•

(57) Abstract:

In the present invention, the allocation process of a service provider to a target case, which is performed for each case unit, is performed by calculating the grace period for extending the allocation process, and controlling the allocation to cases, including the target case, according to the state relating to allocation of the other cases while reflecting the service request level including the compatibility between the other service providers and the user in the grace period.

No. of Pages: 51 No. of Claims: 10

(22) Date of filing of Application :07/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: METHOD FOR CONTROLLING AN ELECTRIC GENERATOR

(51) International classification :F03D9/00,H02J3/16,H02J3/38 (71)Name of Applicant :

:10 2012 212 366.0 (31) Priority Document No (32) Priority Date :13/07/2012

(33) Name of priority country :Germany

:PCT/EP2013/064059 (86) International Application No

Filing Date :03/07/2013

(87) International Publication No :WO 2014/009223 (61) Patent of Addition to :NA **Application Number**

:NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

1) WOBBEN PROPERTIES GMBH

Address of Applicant: Dreekamp 5 26605 Aurich Germany

(72)Name of Inventor:

1)DIEDRICHS Volker

2)BUSKER Kai

3)BEEKMANN Alfred

(57) Abstract:

The invention relates to a method for controlling at least one generator of electric energy which is connected to an electric supply network in a network connection point said method comprising the steps of: Feeding electric power to the electric supply network the generator being operated at a first operating point interrupting the feeding such that no power is fed into the supply network when the electric supply network or the feeding of power into the electric supply network is disturbed or such disturbance is indicated and resuming feeding such that electric power is fed again into the supply network. The generator resumes feeding at a second operating point or is run up to said second operating point and the second operating point is rated such in relation to the first operating point that power is fed into the supply network with a higher stability margin.

No. of Pages: 41 No. of Claims: 14

(22) Date of filing of Application :08/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: PROCESS FOR THE PREPARATION OF POLYPROPYLENE WITH IMPROVED PRODUCTIVITY

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	:C08F4/654,C08F10/06,C08F2/00 :12179547.0 :07/08/2012 :EPO	(71)Name of Applicant: 1)BOREALIS AG Address of Applicant :IZD Tower Wagramerstrae 17 19 A 1220 Vienna Austria
(86) International Application No Filing Date (87) International Publication No	:PCT/EP2013/065944 :30/07/2013 :WO 2014/023603	 (72)Name of Inventor: 1)NEISSL Wolfgang 2)GLOGER Dietrich 3)HORILL Thomas 4)SANDHOLZER Martina
(61) Patent of Addition to Application Number Filing Date	:NA :NA	5)POTTER Gregory
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The present invention relates to a process for the preparation of a polypropylene in a sequential polymerization process comprising least two polymerization reactors connected in series wherein the polymerization in the at least two polymerization reactors takes place in the presence of a Ziegler Natta catalyst and said Ziegler Natta catalyst comprises (a) a pro catalyst comprising (a1) a compound of a transition metal (a2) a compound of a metal which metal is selected from one of the groups 1 to 3 of the periodic table (IUPAC) (a3) an internal electron donor (b) a co catalyst and (c) an external donor whereinthe ratio of catalyst feed rate to propylene (C3) feed rate in the first polymerization reactor (R1) is 1.0 to 4.5 g/t.

No. of Pages: 64 No. of Claims: 20

(22) Date of filing of Application :23/01/2012 (43) Publication Date : 12/06/2015

(54) Title of the invention: IN-SITU MULTILAYERED TABLET TECHNOLOGY

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (82) Divisional to Application Number (83) International Publication No Sinal	(71)Name of Applicant: 1)RANBAXY LABORATORIES LIMITED Address of Applicant:12TH FLOOR, DEVIKA TOWER, 6, NEHRU PLACE, NEW DELHI-110019, INDIA (72)Name of Inventor: 1)KUMARAVEL VIVEK 2)ANUJ KUAMR FANDA 3)MURALI KRISHNA 4)RAVISH SHARMA 5)KANWARPREET SINGH BAKSHI 6)ROMI BARAT SINGH 7)AJAY KUMAR SINGLA
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(57) Abstract:

The present invention relates to an in-situ multilayered tablet comprising at least one or more polymer layers and at least one or more drug layers wherein the said layers are physically separated from each other. After coming in contact with biological and/or aqueous fluids at least one or more polymer layers rapidly swell and stick to one or more drug layers to form an in-situ multilayered tablet. Further, the polymer layer may optionally comprise a drug. Furthermore the present invention relates to the processes for preparing said in-situ multi layered tablets.

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

(21) Application No.183/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :08/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: AIR CONDITIONER IN PARTICULAR FOR A MOTOR VEHICLE

(51) International :B60H1/00,F16L23/032,F24F13/02 classification

(31) Priority Document No :1256413 (32) Priority Date :04/07/2012 (33) Name of priority country :France

(86) International Application :PCT/FR2013/051505

:27/06/2013 Filing Date

(87) International Publication

(61) Patent of Addition to **Application Number**

Filing Date (62) Divisional to Application :NA Number :NA

:WO 2014/006305

:NA

Filing Date

(71)Name of Applicant: 1) RENAULT S.A.S.

Address of Applicant: 13 15 quai Le Gallo F 92100 Boulogne

Billancourt France (72) Name of Inventor:

1)TALAUCHER Stephane 2)PENCOLE Pascal

(57) Abstract:

The invention relates to an air conditioner for a motor vehicle said air conditioner (4) including an air outlet opening (33) surrounded by a first rim on which an axial compression sealing gasket (10) is to be arranged. The first rim comprises a first bearing strip (12) which is substantially planar or which can be developed as portions of planar strips. A circumferential assembly groove (8) enabling a first rib (6) of a complementary duct (5) of the air outlet opening (33) to be axially inserted therein extends through the bearing strip (12).

No. of Pages: 19 No. of Claims: 10

(21) Application No.190/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :08/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention : COMMUNICATION APPARATUS TIME SYNCHRONIZATION SYSTEM AND TIME SYNCHRONIZATION METHOD

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date 	:2012166669 :27/07/2012 :Japan	(71)Name of Applicant: 1)NEC CORPORATION Address of Applicant: 7 1 Shiba 5 chome Minato ku Tokyo 1088001 Japan (72)Name of Inventor: 1)OGAWA Takatoshi
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A communication apparatus (13) according to the present invention is provided with: a storage unit (131) that stores in advance difference information (1311) which is the difference between first time information (t1) and second time information (t2) said first time information (t1) being received from a synchronization source communication apparatus (11) as a time synchronization source connected to a transmission system (12) wherein transmission delay time is different depending on the direction of transmission and said second time information (t2) being obtained from a time synchronization source (14) other than the transmission system (12); and a time synchronization means (132) that carries out when the second time information (t2) cannot be obtained from the time synchronization source (14) time synchronization with the synchronization source communication apparatus (11) using the difference information (1311) read out from the storage unit (131).

No. of Pages: 40 No. of Claims: 10

(22) Date of filing of Application :09/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention: CABLE MANAGEMENT SYSTEM INCLUDING SPLITTER/FILTER TRAY

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (51) International Classification (52) EVEX.A. (53) PCT/EP201 (54) EVEX.A. (54) PCT/EP201 (55) EVEX.A. (56) International Publication (57) International Publication (58) EVEX.A. (59) EVEX.A. (50) EVEX.A. (51) EVEX.A. (51) EVEX.A. (52) EVEX.A. (53) EVEX.A. (54) EVEX.A. (54) EVEX.A. (55) EVEX.A. (56) EVEX.A. (57) EVEX.A. (57) EVEX.A. (58) EVEX.A. (58) International Application (59) EVEX.A. (50) EVEX.A. (51) EVEX.A. (51) EVEX.A. (52) EVEX.A. (52) EVEX.A. (53) EVEX.A. (54) EVEX.A. (54) EVEX.A. (54) EVEX.A. (55) EVEX.A. (56) EVEX.A. (57) EVEX.A. (57) EVEX.A. (58) EVEX.A. (58) EVEX.A. (59) EVEX.A. (50) EVEX.A. (51) EVEX.A. (51) EVEX.A. (52) EVEX.A. (53) EVEX.A. (54) EVEX.A. (54) EVEX.A. (54) EVEX.A. (55) EVEX.A. (56) EVEX.A. (57) EVEX.A. (5	2)ADC CZECH REPUBLIC S.R.O. 3)TYCO ELECTRONICS RAYCHEM GMBH (72)Name of Inventor:
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(57) Abstract:

A two layer splitter tray (18) has a cover (32) which mounts to a base (34). The base (34) and the cover (32) define openings for one or more splitters (88). The base (34) and cover (32) include cable management devices (42,64) for managing the cable and fiber inputs and outputs and the splices. Further splice trays (16) can be used with the splitter tray (18) for splicing to the splitter outputs. Other trays (100,200) include a partial cover (140,240) and openings for optical components and for adhesive attachment of parts.

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

(21) Application No.204/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: METHOD SERVER AND DATABASE FOR RESOLVING LOCAL DIALING PLANS IN IMS **NETWORKS**

(51) International :H04W4/16,H04W8/08,H04W48/18

classification

(31) Priority Document No :61/657961 (32) Priority Date :11/06/2012 (33) Name of priority country: U.S.A.

(86) International Application :PCT/IB2013/054781

No :11/06/2013 Filing Date

(87) International Publication: WO 2013/186704

(61) Patent of Addition to :NA

Application Number :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)

Address of Applicant :SE 164 83 Stockholm Sweden

(72)Name of Inventor: 1)BROMBAL David 2)BOULOS Pierre

(57) Abstract:

A Local Dialing Routing Application Server (LDR AS) for resolving local dialing plans by a roaming mobile device in regard to a visiting network in which the mobile device is located with a Local Dialing Database (LDD) of the visiting network. The LDR AS of a home network of the mobile device spatially distinct from the visiting network Methods for resolving local dialing plans by a roaming mobile device with respect to a visiting network. A Local Dialing Database (LDD) for resolving local dialing plans by a roaming mobile device.

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

(22) Date of filing of Application :09/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention : ELECTROLYTE USED FOR ALUMINUM ELECTROLYSIS AND ELECTROLYSIS PROCESS USING THE ELECTROLYTE

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (62) Divisional to Application Number Filing Date (63) Filing Date (64) Patent of Application Number Filing Date (65) Filing Date (66) Patent of Application Number Filing Date (67) Filing Date (68) International Publication Number Filing Date (69) Filing Date (70) Filin	(71)Name of Applicant: 1)INNER MONGOLIA UNITED INDUSTRIAL CO. LTD. Address of Applicant:Room 3 3 Building C8 Dongyuan Community Erdos Street Saihan District Hohhot Inner Mongolia 010020 China (72)Name of Inventor: 1)SUN Songtao 2)FANG Yulin
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(57) Abstract:

The present invention relates to an electrolyte used for aluminum electrolysis and an electrolysis process using the electrolyte. The electrolyte of the present invention employs a pure fluoride salt system and consists of the following mass percent of constituents: 20% to 29.9% of NaF 60.1% to 66% of A1F 3% to 10% of LiF 4% to 13.9% of KF and 3% to 6% of AlO where the molar ratio of NaF to AlF is between 0.6 and 0.995; or consists of the following mass percent of constituents: 30% to 38% of NaF 49% to 60% of A1F 1% to 5% of LiF 1% to 6% of KF and 3% to 6% of A1O where the molar ratio of NaF to AlF is between 1.0 and 1.52. The electrolyte provided in the present invention is provided with a reduced primary crystallization temperature and improved solubility of aluminum oxide while the electrolyte is provided with an increased electric conductivity. The electrolyte of the present invention provides improved effects of reduced energy consumption increased current efficiency and improved working environment during the electrolysis process.

No. of Pages: 18 No. of Claims: 8

(21) Application No.138/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: HIGHLY DIVERSE COMBINATORIAL ANTIBODY LIBRARIES

(51) International classification	:C07K16/00,C07K16/46	(71)Name of Applicant:
(31) Priority Document No	:61/695819	1)ARGEN X BV
(32) Priority Date	:31/08/2012	Address of Applicant :Willemstraat 5 NL 4811 AH Breda
(33) Name of priority country	:U.S.A.	Netherlands
(86) International Application No	:PCT/EP2013/068110	(72)Name of Inventor:
Filing Date	:02/09/2013	1)DE HAARD Johannes Joseph Wilhelmus
(87) International Publication No	:WO 2014/033304	2)BLANCHETOT Christophe Frederic Jerome
(61) Patent of Addition to Application	:NA	3)KLARENBEEK Alex
Number	:NA	4)ACHOUR Ikbel
Filing Date	.NA	5)EL MAZOUARI Khalil
(62) Divisional to Application Number	:NA	6)DEL FAVERO Jurgen
Filing Date	:NA	

(57) Abstract:

Disclosed is an immune library obtained from a Camelid species containing at antibody chains belonging to at least 7 human germline antibody chains. The presence of a large number of human germline antibody chain families in the library contributes to the usefulness of the library in producing antibodies to human target antigens. The antibodies produced from the library have low inherent immunogenicity.

No. of Pages: 55 No. of Claims: 16

(22) Date of filing of Application :07/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: BALANCING MODULE AND WASHING MACHINE HAVING THE SAME

(51) International :D06F37/20,D06F37/22,F16F15/32

classification .D00F3 //20,D00F3 //22,F10F13/3

(31) Priority Document No :1020120061186 (32) Priority Date :07/06/2012 (33) Name of priority country :Republic of Korea (86) International Application

No :PCT/KR2013/005030

Filing Date :07/06/2013

(87) International Publication :WO 2013/183960

(61) Patent of Addition to
Application Number
:NA

(62) Divisional to Application Number :NA :NA

Filing Date

(71) Name of Applicant:

1)SAMSUNG ELECTRONICS CO. LTD.

Address of Applicant :129 Samsung ro Yeongtong gu Suwon

si Gyeonggi do 443 742 Republic of Korea

(72)Name of Inventor:

1)BAE II Sung

2)PARK Jae Seuk

3)LEE Moo Hyung

(57) Abstract:

A washing machine having a balancer includes a rotating basket in which laundry is accommodated the rotating basket being configured to be rotated upon receiving rotation power from a drive source at least one balancer housing mounted to the rotating basket the balancer housing internally having an annular channel and at least one balancing module movably disposed in the channel to alleviate load unbalance caused during rotation of the rotating basket. The balancing module includes a main plate at least one mass body provided at the main plate a drive unit mounted to the main plate to assist the balancing module in moving to a position where the balancing module alleviates load unbalance of the rotating basket and a brush configured to transmit electric power supplied from an external power source to the drive unit.

No. of Pages: 36 No. of Claims: 14

(22) Date of filing of Application :07/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention: USE OF MICROPOROUS ANIONIC INORGANIC FRAMEWORK STRUCTURES CONTAINING DOPANT CATIONS FOR PRODUCING THIN FILM SOLAR CELLS

(51) International classification	:H01L31/0392	(71)Name of Applicant :
(31) Priority Document No	:10 2012 211 894.2	1)ROBERT BOSCH GMBH
(32) Priority Date	:09/07/2012	Address of Applicant :Postfach 30 02 20 70442 Stuttgart
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2013/061551	(72)Name of Inventor:
Filing Date	:05/06/2013	1)HERGERT Frank
(87) International Publication No	:WO 2014/009061	2)PROBST Volker
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) A1		1

(57) Abstract:

The invention relates to the use of microporous anionic inorganic framework structures in particular framework silicates or framework germanates in thin film solar cells or modules in particular based on a glass substrate layer for absorbing impurities from said thin film solar cells and/or modules and for producing a semiconductor absorber layer of a thin film solar cell and/or module provided with monovalent dopant cations in particular based on a glass substrate layer. The invention further relates to a photovoltaic thin film solar cell containing in particular in at least one back electrode layer in at least one contact layer and/or in at least one semiconductor absorber layer microporous anionic inorganic framework structures in particular framework silicates or framework germanates. Preferably the semiconductor absorber layer in particular in exchange with metal ions of the semiconductor absorber layer is doped using monovalent doping cations originating from the framework structures in particular alkali ions. The invention further relates to a thin film solar module having thin film solar cells according to the invention. Lastly the invention relates to a method for producing thin film solar cells and modules according to the invention.

No. of Pages: 29 No. of Claims: 50

(21) Application No.214/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: CTLA4 FUSION PROTEINS FOR THE TREATMENT OF DIABETES

(51) International classification :A61K38/17,C07K14/705,C07K14/47

(31) Priority Document No :13/534560 (32) Priority Date :27/06/2012

(33) Name of priority :U.S.A.

country
(%6) International

(86) International :PCT/US2013/048237

Application No Filing Date :27/06/2013

(87) International

Publication No :WO 2014/004857

(61) Patent of Addition to Application Number :NA Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant : 1)ORBAN BIOTECH LLC

Address of Applicant :64 Aspinwall Avenue #1 Brookline MA

02446 U.S.A.

(72)Name of Inventor : 1)ORBAN Tihamer

(57) Abstract:

A method of treating preventing or delaying the progression of Type 1 diabetes mellitus autoimmunity by administering an effective amount of a cytotoxic T lymphocyte associated antigen 4 (CTLA4) molecule is provided herewith. The CTLA4 molecule may be a fusion protein of a CTLA4 extracellular region and an immunoglobulin such as abatacept.

No. of Pages: 31 No. of Claims: 27

(21) Application No.1009/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: METHOD FOR PRODUCING CARBONATE COMPOUND AND METHOD FOR PRODUCING AROMATIC POLYCARBONATE

(51) International

:C07C68/00,C07B61/00,C07C68/08

classification

:2012-178327

(31) Priority Document No (32) Priority Date

:10/08/2012

(33) Name of priority country: Japan

(86) International Application :PCT/JP2013/071279

No Filing Date

:06/08/2013

(87) International Publication: WO 2014/024891

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number

Filing Date

:NA

(71)Name of Applicant:

1)ASAHI GLASS COMPANY LIMITED

Address of Applicant :5-1 Marunouchi 1 chome Chiyoda ku

Tokyo 1008405 Japan

(72)Name of Inventor:

1)OKAMOTO Hidekazu 2)FUJIMORI Atsushi

3)TAKAHASHI Toru

4)SHIMOKAWA Keisuke

5)HIRASHIMA Atsushi

(57) Abstract:

The present invention relates to a method for producing a carbonate compound which comprises: a first step wherein a reaction mixture containing a carbonate compound is obtained by reacting a compound represented by formula (1) with a compound represented by formula (21) or a compound represented by formula (22); and a second step wherein the thus obtained reaction mixture is brought into contact with a strongly basic compound. In the formulae R1 represents a monovalent organic group and R2 represents a divalent organic group.

No. of Pages: 41 No. of Claims: 10

(21) Application No.1323/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :19/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention : GAS SENSOR FOR DETERMINING AT LEAST ONE CHARACTERISTIC OF A MEASUREMENT GAS

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date 	:G01N31/00 :102013212366.3 :27/06/2013 :Germany :NA :NA :NA :NA	(71)Name of Applicant: 1)ROBERT BOSCH GmbH Address of Applicant:Postfach 30 02 20, 70442 Stuttgart Germany (72)Name of Inventor: 1)HERRMANN, Sven 2)HANS, Anton
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present subject matter relates to a gas sensor (1) for determining at least one characteristic of a measurement gas, in particular for determining of a portion of a gas component of the measurement gas. The gas sensor (1) comprises a sensor housing (2), wherein the sensor housing (2) has a base body (4) at least partially surrounding the sealing collar (14). Further comprising a ceramic sensor element (10), wherein the ceramic sensor element (10) has at least one first element section (12a) exposed to the measurement gas and at least one second element section (12b) held in the sealing cover (14). The sealing collar (14) is enclosed at least partially by the sensor housing (2), wherein the sensor housing (2) is coated at least partially with at least one insulating layer (38).

No. of Pages: 17 No. of Claims: 10

(22) Date of filing of Application :07/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: USE OF CART19 TO DEPLETE NORMAL B CELLS TO INDUCE TOLERANCE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (22) Priving and to Application Number 	:61/671508 :13/07/2012 :U.S.A. :PCT/US2013/050293 :12/07/2013 :WO 2014/012001 :NA :NA	(71)Name of Applicant: 1)THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA Address of Applicant: Center For Technology Transfer 3160 Chestnut Street Suite 200 Philadelphia PA 19104 6283 U.S.A. (72)Name of Inventor: 1)LEVINE Bruce L. 2)KALOS Michael D. 3)JUNE Carl H.
1 (41110-41	:NA :NA :NA	S)JUNE CARI H.

(57) Abstract:

The present invention provides compositions and methods for inducing tolerance in a human. The invention includes administering a genetically modified T cell expressing a CAR wherein the CAR comprises an antigen binding domain a transmembrane domain a costimulatory signaling region and a CD3 zeta signaling domain.

No. of Pages: 58 No. of Claims: 12

(21) Application No.172/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: TECHNIQUE FOR REGULATING SUGAR CANE FLOWERING

(51) International classification	:C12N15/09,A01H1/00,A01H5/00	(71)Name of Applicant:
(31) Priority Document No	:2012140231	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(32) Priority Date	:21/06/2012	Address of Applicant :1 Toyota cho Toyota shi Aichi 4718571
(33) Name of priority country	:Japan	Japan
(86) International Application	:PCT/JP2012/078716	(72)Name of Inventor:
No	:06/11/2012	1)NISHIMURA Satoru
Filing Date	.00/11/2012	2)SUZUKI Kazuyo
(87) International Publication	:WO 2013/190720	3)TSUZUKI Shoko
No	0 2013/170720	
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.11/1	

(57) Abstract:

Provided is a technique which enables efficient mating and breeding of plants in particular sugar cane and genera and species closely related thereto.

No. of Pages: 46 No. of Claims: 5

(21) Application No.201/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: EXPANSION ANCHOR

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:F16B13/12 :10 2012 107 235.3 :07/08/2012 :Germany :PCT/EP2013/002309 :02/08/2013 :WO 2014/023409 :NA :NA	(71)Name of Applicant: 1)FISCHERWERKE GMBH & CO. KG Address of Applicant: Klaus Fischer Strasse 1 72178 Waldachtal Germany (72)Name of Inventor: 1)DALY Aaron
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The invention relates to an expansion anchor (1) with two opposing webs (5) extending in a longitudinal direction and with spreading elements (6) projecting from the webs (5) on either side in the opposing circumferential direction and having a hook shape when the expansion anchor (1) is viewed laterally. According to the invention the webs (5) are formed with retaining surfaces (7) in the shape of a truncated cone shell which run at an acute angle relative to a longitudinal direction of the expansion anchor from the rear to the front. The retaining surfaces (7) become longer from the rear to the front and run at a more acute angle relative to the longitudinal direction of the anchor. The retaining surfaces (7) substantially improve anchoring of the expansion anchor (1) in a soft or porous anchoring base such as porous concrete.

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

(21) Application No.215/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: COMBINATIONS OF MODALITIES FOR THE TREATMENT OF DIABETES

(51) International :A61K38/19,A61K39/00,A61P3/10 classification

:WO 2014/004866

(31) Priority Document No :13/534571

(32) Priority Date :27/06/2012 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2013/048247

:27/06/2013 Filing Date

(87) International Publication

(61) Patent of Addition to

Application Number :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant: 1)ORBAN BIOTECH LLC

Address of Applicant :64 Aspinwall Avenue #1 Brookline MA

02446 U.S.A.

(72) Name of Inventor:

1)ORBAN Tihamer

(57) Abstract:

A method of treating preventing or delaying the progression of Type 1 diabetes mellitus by administering an effective amount of a fusion protein composition comprising a T cell co stimulation antagonist and a portion of an immunoglobulin molecule and an effective amount of a Type 1 diabetes autoantigen. The method includes for example administering a cytotoxic T lymphocyte associated antigen 4 (CTLA4) molecule and a Type 1 diabetes autoantigen. Pharmaceutical compositions are also provided herewith.

No. of Pages: 55 No. of Claims: 27

(22) Date of filing of Application :15/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: CIRCUIT BREAKER ARRANGEMENT AND POWER DISTRIBUTION UNIT

(51) International classification	:H02H3/10	(71)Name of Applicant:
(31) Priority Document No	:13167957.3	1)Efore Oyj
(32) Priority Date	:16/05/2013	Address of Applicant :Linnoitustie 4 B, FI-02600 Espoo,
(33) Name of priority country	:EPO	Finland.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SIEVI-KORTE, Juha Markus
(87) International Publication No	: NA	2)AHOLA, Tarmo Aulis
(61) Patent of Addition to Application Number	:NA	3)KURJANEN, Ari Pekka
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The present invention relates generally to circuit breaker arrangement in supply of electric power. The invention has advantageous applications especially in power distribution units which supply DC power to electrical devices. Electromechanical circuit breakers are commonly used for circuit protection. They have a disadvantage of fixed tripping conditions, which can only be changed by changing the circuit breaker component. The invention solves this problem by providing a circuit breaker arrangement which has an electromechanical circuit breaker with a first, fixed tripping condition, and an additional circuit, which monitors the output current and mechanically trips the circuit breaker if the current exceeds a second tripping condition. This way it is possible to use the first tripping condition of the electromechanical circuit breaker and/or a second, controllable tripping condition.

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

(21) Application No.163/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

(54) Title of the invention: SCROLL COMPRESSOR

(51) International classification	:B64D	(71)Name of Applicant:
(31) Priority Document No	:2011- 052348	1)HITACHI APPLIANCES, INC. Address of Applicant: 16-1, KAIGAN 1-CHOME, MINATO-
(32) Priority Date	:10/03/2011	KU, TOKYO, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)CHIKANO MASATSUGU
Filing Date	:NA	2)MATSUNAGA MUTSUNORI
(87) International Publication No	:NA	3)TSUCHIYA TAKESHI
(61) Patent of Addition to Application Number	:NA	4)SATO EIJI
Filing Date	:NA	5)YANAGASE YUICHI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A scroll compressor with high efficiency is provided according to the present invention. The scroll compressor compresses a refrigerant by meshing of an orbiting scroll (8) and a fixed scroll (7), wherein the orbiting scroll (8) includes a back pressure hole (35) which intermittently connects a compression chamber (13) and a back pressure chamber (18) per one orbit of the orbiting scroll (8), and the back pressure hole (35) communicates with the compression chamber (8) and also with the back pressure chamber (18) and shuts off the communication with the back pressure chamber (18) after the communication with the compression chamber (8) is shut off

No. of Pages: 23 No. of Claims: 9

(21) Application No.170/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: IN VITRO DIAGNOSIS DEVICE AND USES THEREOF

(51) International classification :G01N33/52,G01N33/543,G01N33/68

(31) Priority Document No :12 55452 (32) Priority Date :11/06/2012

(33) Name of priority country :France

(86) International :PCT/FR2013/051358

Application No Filing Date :11/06/2013

(87) International

Publication No :WO 2013/186482

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)ABO DIAG

Address of Applicant :12 Alle Isaac Newton F 33650 Martillac

France

(72)Name of Inventor: 1)CHAIBI Naiim

2)MALGOURIES Sylvain

3)LUCAS Megumi

(57) Abstract:

The invention relates to an in vitro diagnosis device (10) for the detection of at least one reaction between an erythrocytic phenotype antigen and an antibody specifically directed against said antigen in a sample of blood or one of the components thereof. The device is characterised in that it comprises: a substrate (12); and a hydrophobic porous membrane (14) having a thickness of between 0.5mm and 1.5mm and a pore diameter of between 2 and 30 µm said membrane comprising at least one hydrophilic reaction zone (16) intended to receive the sample. The invention also relates to the uses of said device in immunohematology.

No. of Pages: 28 No. of Claims: 23

(22) Date of filing of Application :09/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: ECONOMICAL MIGRATION OF LEGACY APPLICATIONS

(57) Abstract:

An economical system and method of migrating legacy applications running on proprietary mainframe computer systems and distributed networks to commodity hardware based software frameworks by offloading the batch processing from the legacy systems and returning the resultant data to the original legacy system to be consumed by the unaltered applications. An open source code tool is used to transfer the software and rewrite it on a faster and more economical hardware system while leaving a seamless integration of offloaded processing with existing batch processing flow.

No. of Pages: 25 No. of Claims: 19

(22) Date of filing of Application :09/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: MICROEMULSIONS AND USES THEROF AS NANOREACTORS OR DELIVERY VEHICLES

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:B29C67/00 :61/666378 :29/06/2012 :U.S.A. :PCT/US2013/048588 :28/06/2013 :WO 2014/005029 :NA :NA :NA	(71)Name of Applicant: 1)ARCHER DANIELS MIDLAND COMPANY Address of Applicant: 4666 Faries Parkway Decatur Illinois 62526 U.S.A. (72)Name of Inventor: 1)BASEETH Shireen 2)JADHAV Swapnil
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(57) Abstract:

Lecithin based microemulsion and their uses as nanoreactors and carrying materials are disclosed. In one embodiment a method of forming a nanomaterial comprises mixing a lecithin based microemulsion with a first reactant and a second reactant. In a further embodiment a method for encapsulating a nanomaterial in a lecithin based microemulsion forming a composition and wherein the composition forms a dispersion in an aqueous solution polar solution or a non polar solution.

No. of Pages: 34 No. of Claims: 58

(22) Date of filing of Application :07/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: CONTAINER SIZING METHOD AND SYSTEM

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date 	:04/06/2013 :WO 2013/182845 :NA :NA	(71)Name of Applicant: 1)LINKX SYSTEMS LIMITED Address of Applicant: Anson House Anson Way Ellough Industrial Estate Ellough Beccles Suffolk NR34 7TL U.K. (72)Name of Inventor: 1)BENTERMAN Daniel 2)HAYWARD David
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A carton sizing system (1) that has a frame (2), a controller (4), one or more cutters (51) movably mounted to the frame (2) and operatively connected to the controller (4), one or more markers (61) movably mounted to the frame (2) and operat - ively connected to the controller (4). The carton sizing system (1) also has a measuring means (7) that is operatively connected to o the controller (4) and configured to determine, in use, the footprint of an open top carton and to determine the height of one or more objects contained within the carton. The controller (4) is configured to position the one or more cutters (51) based on the determine determined height and also to position the one or more markers (61) based on the determined footprint and height and to score or crease vertical walls of the carton between the vertical edges to at least partially define foldable panels.

No. of Pages: 25 No. of Claims: 21

(22) Date of filing of Application :07/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: CONNECTORS AND ADAPTERS WITH AUTO LATCHING FEATURES

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:G02B6/38,G02B6/36 :61/670412 :11/07/2012 :U.S.A. :PCT/US2013/049928 :10/07/2013 :WO 2014/011774 :NA :NA :NA	(71)Name of Applicant: 1)TYCO ELECTRONICS CORPORATION Address of Applicant:1050 Westlakes Drive Berwyn PA 19312 U.S.A. 2)ADC TELECOMMUNICATIONS INC. (72)Name of Inventor: 1)PEPE Paul John 2)COFFEY Joseph C.
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(57) Abstract:

Fiber optic connectors and adapters may be automatically secured and released via a management system. Such automation may inhibit accidental and/or unauthorized insertion of fiber optic connectors into adapter ports. The automation also may inhibit accidental and/or unauthorized removal of the fiber optic connectors from the adapter ports.

No. of Pages: 55 No. of Claims: 27

(22) Date of filing of Application :09/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: ELECTROLYSIS TANK USED FOR ALUMINUM ELECTROLYSIS AND ELECTROLYSIS PROCESS USING THE ELECTROLYZER

:C25C3/08,C25C3/12,C25C3/18 (71)Name of Applicant : (51) International classification

(31) Priority Document No :201210188436.9 (32) Priority Date :11/06/2012

(33) Name of priority country :China

(86) International Application No: PCT/CN2013/076440

Filing Date :30/05/2013

(87) International Publication No: WO 2013/185538 (61) Patent of Addition to

:NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)INNER MONGOLIA UNITED INDUSTRIAL CO. LTD.

Address of Applicant :Room 3 3 Building C8 Dongyuan Community Erdos Street Saihan District Hohhot Inner Mongolia

010020 China

(72) Name of Inventor:

1)SUN Songtao

2)FANG Yulin

(57) Abstract:

An electrolysis tank used for aluminum electrolysis comprising a tank body an anode and a cathode arranged within the tank body also an electrolyte accommodated within the tank body where at least a part of the anode is submerged in the electrolyte. The anode is arranged above the tank body. The cathode is arranged at the tank bottom and is covered by a certain amount of liquid aluminum. The electrolyte is provided between the anode and the cathode. The electrolyte covers the liquid aluminum. The tank body has arranged on an inner sidewall thereof an insulation layer for use in separating oxygen or the electrolyte from a carbon block. The tank is characterized in that: the constituents of the anode comprise Fe Cu Ni and Sn where Fe and Cu are the main constituents; the electrolyte consists of 30 to 38 wt% of NaF 49 to 60 wt% of AlF 1 to 5 wt% of LiF 1 to 6 wt% of KF and 3 to 6 wt% of AlO where the molar ratio of NaF to AlF is between 1.0 and 1.52. The electrolysis tank is applicable in industrialized production of electrolyzed aluminum.

No. of Pages: 23 No. of Claims: 13

(21) Application No.223/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: FLAPPER VALVE WITH GUIDE LEGS

(51) International classification :B60K15/035,F16K31/24,B60K15/03

(31) Priority Document No :61/670796 (32) Priority Date :12/07/2012 (33) Name of priority

country :U.S.A.

(86) International

Application No :PCT/US2013/031030 :13/03/2013

Filing Date

(87) International Publication No :WO 2014/011229

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant : 1)EATON CORPORATION

Address of Applicant: 1000 Eaton Boulevard Cleveland OH

44122 U.S.A.

(72)Name of Inventor : 1)WALKOWSKI Paul D.

(57) Abstract:

A flapper valve assembly is provided for venting pressure in a tank. The flapper valve assembly includes a float assembly (10) that is configured to be disposed within a valve housing. The float assembly (10) may have a plurality of guide supports (23,23a) that extend from an end portion of the float assembly. A flapper member (12) is movably supported on the float assembly (10). The flapper member may include a plurality of guide legs (26,30) that correspond with the guide supports (23,23a) of the float assembly to maintain proper alignment of the flapper member (12) relative to the float assembly (10).

No. of Pages: 16 No. of Claims: 20

(22) Date of filing of Application :27/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention : POWER GENERATING DEVICE UTILIZING OSCILLATING WATER FOR CONVERTING INTO WAVE POWER

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number 	:F03B13/24 :102209979 :29/05/2013 :Taiwan :NA :NA :NA	-/~
(61) Patent of Addition to Application Number Filing Date		2).110, Oldir Wei
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A power generating device utilizing oscillating water for converting into wave power (1) includes: a power generating tank (10) formed with a first chamber (11), a second chamber (12) and a communicating hole (13); a quantitative liquid (20) filled in the first chamber (11) and the second chamber (12); a resonating member (30), having one end communicated with the first chamber (11) and the other end disposed in a wave (2); a quantitative gas (40) filled between the first chamber (11) and the resonating member (30); and a driving member (50, 50^{TM} , $50 \cdot$) pushed by the quantitative liquid (20). Accordingly, during the reciprocal movement of the wave (2), the quantitative gas (40) is pushed and squeezed thereby enabling the quantitative liquid (20) to push the driving member (50, 50^{TM} , $50 \cdot$) so as to generate power.

No. of Pages: 26 No. of Claims: 11

(21) Application No.159/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

(54) Title of the invention : METHOD AND SYSTEM FOR PAYMENT OF CHARGES ASSOCIATED WITH CHARGING AN ELECTRIC VEHICLE

(51) International classification :H01S (31) Priority Document No :13/01208 (32) Priority Date :24/01/20 (33) Name of priority country :U.S.A. (86) International Application No :NA Filing Date :NA (87) International Publication No :NA (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA	
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(57) Abstract:

The use of micropayments to make the payment for electrical consumption used to charge an EV (102). In one aspect, a mobile device (106) such as a cellular telephone (cell phone) is used to make the payments. In one aspect, a method of payment for charges associated with charging an electric vehicle (102) is described. This embodiment of a method comprises receiving electrical consumption information related to charging an electric vehicle (102) at a charging station (104). The electrical consumption information is associated with a mobile device number. The electrical consumption information is authenticated. The cost for the authenticated electrical consumption information is included on an invoice (114) for mobile device usage associated with the mobile device number.

No. of Pages: 32 No. of Claims: 10

(21) Application No.159/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention : METHOD AND APPARATUS FOR FEEDING ELECTRIC ENERGY INTO AN ELECTRIC SUPPLY NETWORK

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:H02J3/24,F03D9/00 :10 2012 212 364.4 :13/07/2012 :Germany :PCT/EP2013/064069 :03/07/2013 :WO 2014/009226 :NA :NA :NA	(71)Name of Applicant: 1)WOBBEN PROPERTIES GMBH Address of Applicant: Dreekamp 5 26605 Aurich Germany (72)Name of Inventor: 1)DIEDRICHS Volker 2)BUSKER Kai 3)BEEKMANN Alfred
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(57) Abstract:

The invention relates to a method for controlling a generator (1) of electric energy which is connected to an electric supply network (4) in a network connection point (2) said method comprising the steps of detecting at least one network property of the electric supply network (4) related to the network connection point (2) and controlling the generator (1) such that it feeds power into the electric supply network (4) depending on the detected network property.

No. of Pages: 40 No. of Claims: 19

(21) Application No.194/DELNP/2015 A

Address of Applicant: Suite G16 National Innovation Centre

Australian Technology Park 4 Cornwallis Street Eveleigh NSW

1)SPEEDX PTY LTD

(72) Name of Inventor:

3)MEEHAN Timothy Daniel

2015 Australia

(19) INDIA

(22) Date of filing of Application :08/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: TARGET DETECTION AND SIGNAL AMPLIFICATION

:C12Q1/68,C12N9/22,C12Q1/44 (71)Name of Applicant : (51) International classification (31) Priority Document No :2012902551 (32) Priority Date :18/06/2012

(33) Name of priority country :Australia

(86) International Application No:PCT/AU2013/000651

Filing Date :18/06/2013 (87) International Publication No: WO 2013/188912

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)BONE Simon Mark 2)TODD Alison Velyian

(57) Abstract:

The present invention relates to compositions and methods for the detection of target molecules and the amplification of detectable signals generated by detection assays. More specifically the present invention relates to methods utilizing catalytic nucleic acid enzymes to generate and/or amplify a signal indicative of the presence of target molecules (e.g. nucleic acids and proteins) and compositions for use in the methods.

No. of Pages: 303 No. of Claims: 168

(21) Application No.230/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 10/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: USE OF E-I,I,I,4,4,4-HEXAFLUORO-2-BUTENE IN HEAT PUMPS

(51) International classification :F25B30/02,F25B1/00,F25B7/00 (71)Name of Applicant :

(31) Priority Document No :61/678419 (32) Priority Date :01/08/2012 (33) Name of priority country :U.S.A.

(86) International Application No:PCT/US2013/053119

Filing Date :01/08/2013

(87) International Publication No: WO 2014/022610

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)E. I. DU PONT DE NEMOURS AND COMPANY Address of Applicant :1007 Market Street Wilmington

Delaware 19898 U.S.A. (72) Name of Inventor:

1)KONTOMARIS Konstantinos

(57) Abstract:

Disclosed is a method for producing heating in a heat pump that involves extracting heat from a working fluid com prising E-HFO-1336mzz, in a heat exchanger, thereby producing a cooled working fluid. Also disclosed is a method for producing heating in a heat pump wherein heat is exchanged between at least two cascade stages. Also disclosed is a heat pump apparatus in o cluding a working fluid heater, compressor, working fluid cooler and expansion device and said apparatus contains a working fluid comprising E-HFO-1336mzz. Also disclosed is a method for replacing CFC-1 14, HFC-245fa, HFC-236fa, HCFC-124, HFC-134a, o CFC-1 2 working fluid in a heat pump designed for said working fluid that involves providing a replacement working fluid compris ing E-HFO-1336mzz. Also disclosed is a composition containing (i) a working fluid consisting essentially of E-HFO-1336mzz; and (ii) a stabilizer; or (iii) a lubricant; or both (ii) and (iii).

No. of Pages: 67 No. of Claims: 37

(21) Application No.1309/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :16/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention : COMBINED-BRANCHED-FERRITE ELEMENT WITH INTERCONNECTED RESONANT SECTIONS FOR USE IN A MULTI-JUNCTION WAVEGUIDE CIRCULATOR

(51) International classification (31) Priority Document No	:H01P1/39 :13/906,458	,
(32) Priority Date (33) Name of priority country	:31/05/2013 :U.S.A.	Address of Applicant :101 Columbia Road, POB 2245, Morristown, N.J. 07962-2245, United States of America
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ADAM M. KROENING
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The present application relates to a combined-branched-ferrite element including at least two branched-ferrite elements, the branched-ferrite elements having three branches. At least one of the three branches in the ferrite elements is connected to a branch of another one of the ferrite elements to form at least one connected-branch. The unconnected branches are input/output (I/O) branches and include input/output (I/O) apertures in respective I/O branch planes that divide the respective I/O branches into resonator sections and return-path sections. At least one connected-aperture in the at least one connected-branch that connects two ferrite elements is in a respective connected-branch plane that separates the connected-branch so that: the resonator section of the connected-branch for a first-branched-ferrite element is a return-path section of the connected-branch for the second-branched-ferrite element; and the resonator section of the connected-branch for the first-branched-ferrite element.

No. of Pages: 54 No. of Claims: 20

(21) Application No.144/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: POWER SYSTEM FOR A VEHICLE

(51) International classification :H02J7/14,B60R16/03,B60R16/033

(31) Priority Document No :2012174781 (32) Priority Date :07/08/2012

(33) Name of priority country: Japan

(86) International Application :PCT/JP2013/071896

No Filing Date :07/08/2013

(87) International Publication :WO 2014/025064

(61) Patent of Addition to :NA

Application Number Filing Date :NA

(62) Divisional to Application
Number
Siling Data
:NA

Filing Date

(57) Abstract:

(71)Name of Applicant:
1)DENSO CORPORATION

Address of Applicant :1 1 Showa cho Kariya city Aichi

4488661 Japan

2)SUZUKI MOTOR CORPORATION

(72)Name of Inventor: 1)KATAYAMA Naoki 2)SAITO Shigenori 3)KATAOKA Jun 4)KOMADA Setsuko

A power system for a vehicle is provided in which idle reduction control is performed under which an engine is automatically stopped when a predetermined automatic stop condition is met and automatically restarted when a predetermined restart condition is met in a state where the engine is automatically stopped. The power system includes a generator which is driven on the basis of output of the engine a battery which is connected to the generator and a controller which allows the generator to generate power when an amount of charge of the battery has decreased below a lower limit and which sets the lower limit to a higher level when the speed of the vehicle has exceeded a predetermined speed than in a case where a speed of the vehicle has not exceeded the predetermined speed.

No. of Pages: 42 No. of Claims: 15

(21) Application No.1696/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/03/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: DURABLE SOFT BODY ARMOR

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date 	:B32B27/12,B32B7/02,F41H5/04 :61/531334 :06/09/2011 :U.S.A. :PCT/US2012/053276 :31/08/2012	(71)Name of Applicant: 1)HONEYWELL INTERNATIONAL INC. Address of Applicant: Patent Services M/S AB/2B 101 Columbia Road P.O. Box 2245 Morristown New Jersey 07962 2245 U.S.A. (72)Name of Inventor: 1)ARDIFF Henry Gerard
(87) International Publication No	:WO 2013/036441	, , , , , , , , , , , , , , , , , , ,
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

Ballistic resistant composites having improved durability. More particularly ballistic resistant composites including a protective thermoplastic overlay that enhances composite abrasion resistance while also permitting exploitation of the properties of an underlying binder system.

No. of Pages: 40 No. of Claims: 15

(21) Application No.241/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :12/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: CRESOL PRODUCING METHOD THROUGH PHENOL METHANOL GAS PHASE ALKYLATION

(51) International :C07C37/16,B01J29/00,C07C39/07 classification

(31) Priority Document No :NA (32) Priority Date :NA

(33) Name of priority country: NA

(86) International Application :PCT/CN2012/079082

:24/07/2012 Filing Date

(87) International Publication :WO 2014/015476

(61) Patent of Addition to **Application Number**

:NA Filing Date (62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1) DALIAN INSTITUTE OF CHEMICAL PHYSICS CHINESE ACADEMY OF SCIENCES

Address of Applicant :No.457 Zhongshan Road Dalian

Liaoning 116023 China (72) Name of Inventor: 1)WANG Kunyuan

2)XU Yunpeng 3)LIU Zhongmin

(57) Abstract:

The present invention relates to a cresol producing method through phenol methanol gas phase alkylation. The phenol and methanol are preheated and then are mixed with diluent gas; then the mixed gas continuously passes through a phenol methanol alkylation catalyst bed layer; and finally gas phase reaction is performed under the reaction condition that the reaction temperature is 200 500 and the feeding airspeed is 0.5 20h to produce cresol. The phenol methanol alkylation catalyst is prepared through modification by taking MCM 22 ZSM 5 and the beta molecular sieve as the active components. The phenol and methanol are used as the raw materials the selectivity of the cresol can reach 90% the para selectivity can reach 58% and the catalyst has good stability. No corrosion occurs in the device during the production process. The catalyst is an environmentally friendly catalyst and has a desirable industrial application prospect.

No. of Pages: 24 No. of Claims: 10

(21) Application No.1427/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :29/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: STRUCTURE OF SUNSHADE

(51) International classification	:A45B25/16	(71)Name of Applicant:
(31) Priority Document No	:2013-	1)SUZUKI MOTOR CORPORATION
(31) Friority Document No	150561	Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:19/07/2013	Hamamatsu-shi, Shizuoka-ken, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)ONAKA, Yousuke
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:

[Problem to be Solved] To bring an operation handle and hooks into close contact with a surface of a storage port peripheral portion by a winding force of a winding device in a storage state of the sunshade, reduce projection amounts of the operation handle and the hooks to a vehicle interior side, prevent noise emission while the vehicle is traveling, and improve operability in shifting the sunshade from an in-use state to the storage state. [Solution] A sunshade 3 of a winding and storing type includes a cloth 7 and a winding device 8. A shaft 9 is coupled to an end edge portion of the cloth 7 pivotably about the axis with respect to the cloth 7. An operation handle 13 to be gripped when the cloth 7 is drawn out and hooks 15 to be engaged to holders 6 in a state in which the cloth 7 is drawn out are fixed to the shaft 9. In a storage state of the sunshade 3, the operation handle 13 and the hooks 15 are arranged in contact with an upper surface 10a of a trim 10, which is located in a peripheral portion of the storage port 11, while projecting in opposite directions to each other across the shaft 9. The operation handle 13 and the hooks 15 are configured to be pressed against the upper surface 10a of the trim 10 by a winding force Fr of the winding device 8.

No. of Pages: 28 No. of Claims: 4

(21) Application No.156/DEL/2012 A

(19) INDIA

(22) Date of filing of Application: 19/01/2012 (43) Publication Date: 12/06/2015

(54) Title of the invention : MECHANICAL WORK SAMPLING SYSTEM FOR THE OPERATION OF ARTICULATED EXTENSIONS IN VEHICULAR APPLICATIONS

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country(86) International Application No	:B64D :TO2011A000037 :20/01/2011 :Italy :NA	(71)Name of Applicant: 1)OTO MELARA SPA Address of Applicant: VIA VALDILOCCHI, 15-I-19136 LA SPEZIA, ITALY (72)Name of Inventor:
Filing Date	:NA	1)SANDRO LAZZARI
(87) International Publication No	:NA	2)GIOVANNI LA SPINA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A mechanical work sampling system (10) for the operation of extensions articulated in vehicular applications; the system is susceptible of being applied on a tracked vehicle (30) and comprises at least a supporting arm (40) and a secondary track (22; 23) associated to said supporting arm (40); said supporting arm (40) being configurable in rotation configuration within which it rotates with respect to a first end (41) through a sampling of work from the main propulsor of the tracked vehicle (30).

No. of Pages: 17 No. of Claims: 10

(21) Application No.156/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention: METHOD FOR PRODUCING A PROTEIN COMPRISING COMPOSITION WITH REDUCED DIGESTIVE COAGULATION

(51) International :A23C3/033,A23L1/305,A23C21/04

classification (31) Priority Document No :PCT/NL2012/050491

(32) Priority Date :09/07/2012 (33) Name of priority country: Netherlands

(86) International Application: PCT/NL2013/050519

No :09/07/2013 Filing Date

(87) International Publication :WO 2014/011039

(61) Patent of Addition to :NA **Application Number**

:NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant: 1)N.V. NUTRICIA

Address of Applicant : Eerste Stationsstraat 186 NL 2712 HM

Zoetermeer Netherlands (72) Name of Inventor:

1)VAN DEN BRAAK Claudia Catharina Maria

2)LUDWIG Thomas 3)MINOR Marcel

4)VERDURMEN Rudolph Eduardus Maria

5) RUIS Hilde

(57) Abstract:

The present invention relates to a process of producing a composition comprising at least two different proteins of which at least one is a coagulating protein and at least one is an anti coagulating protein comprising the steps of: a) heat sterilising a first liquid component comprising said coagulating protein b) heat sterilising a second liquid component comprising said anti coagulating protein and c) mixing said first component with said second component to obtain a mixture thereof. The obtained mixture is useful as a food constituent having reduced coagulation in the upper gastro intestinal tract more in particular in the stomach.

No. of Pages: 36 No. of Claims: 23

(21) Application No.243/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 12/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention : ADVANCED DEVICE FOR WELDING TRAINING BASED ON AUGMENTED REALITY SIMULATION WHICH CAN BE UPDATED REMOTELY

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country(86) International Application No	:G09B9/00 :P201230924 :13/06/2012 :Spain	(71)Name of Applicant: 1)SEABERY SOLUCIONES S.L. Address of Applicant: Almadraba 5 Poligono Pesquero Norte E 21002 Huelva Spain (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:17/05/2013 :WO 2013/186413 :NA :NA :NA :NA	1)CHICA BARRERA Juan Jos 2)AGUILAR NIETO Francisco Jos 3)MARQUINEZ GARCIA Basilio 4)VILLARAN VAZQUEZ Alejandro

(57) Abstract:

The invention relates to an advanced device for welding training based on augmented reality simulation which can be updated remotely and which allows simulation of all types of industrial welding i.e. coated electrode (SMAW), MIG/MAG (GMAW,FCAW) and TIG (GTAW), all types of materials and all types of existing joints in all welding positions (1F to 4F, 1G to 6G,6GR) providing a very exact simulation of the behaviour of a real welding machine through the use of augmented reality technology which allows interaction between different elements in multiple layers all of which is implemented on a system for checking monitoring and evaluating students which allows the teacher to test the student in real time without the teacher being present in the training room including from a remote station.

No. of Pages: 58 No. of Claims: 10

(21) Application No.1387/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: SECONDARY LOCK FOR A PLUG

 (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:H01R13/627 :102013211455.9 :19/06/2013 :Germany :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)ROBERT BOSCH GmbH Address of Applicant: Postfach 30 02 20, 70442 Stuttgart Germany (72)Name of Inventor: 1)PADE, Wolfgang
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(57) Abstract:

The present subject matter relates to a plug (10) for producing an electrical connection with a plug-in module, such as a harness plug for establishing an electrical connection with a control device in a motor vehicle. Thereby the plug (10) comprises a plug body (12), which has a contact carrier upper part (24) with a plurality of channels (29c) for receiving electrical lines and a plug base (14), which is designed to receive a collar of the plug-in module. Further the plug (10) has a contact carrier lower part (26), which has a plurality of channels (29d) for receiving the electrical lines, wherein the channels (29c) of the contact carrier upper part (24) opens in the channels (29d) of the contact carrier lower part (26) and thereby forms continuous channels (29c, 29d) to receive the electrical lines.

No. of Pages: 21 No. of Claims: 11

(21) Application No.158/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention : TIME SYNCHRONIZING OF DISTINCT VIDEO AND DATA FEEDS THAT ARE DELIVERED IN A SINGLE MOBILE IP DATA NETWORK COMPATIBLE STREAM

(51) International :H04N21/236,H04N21/242,H04W4/18

classification .11041V21/230,11041V21/ (31) Priority Document No :61/659709

(32) Priority Date :14/06/2012
(33) Name of priority :U.S.A.

country :U.S.A

(86) International Application No :PCT/CA2013/050456

Filing Date :14/06/2013

(87) International Publication No :WO 2013/185238

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)OUICKPLAY MEDIA INC.

Address of Applicant :2nd Floor 190 Liberty Street Toronto

Ontario M6K 3L5 Canada (72)Name of Inventor:
1)WALKER Torin

2)MARTINEZ Michael M.

(57) Abstract:

Multiple video and/or content feeds may be combined and optionally synchronized in real time into a single mobile IP data network compatible stream for presenting as a coherent display on a mobile device.

No. of Pages: 57 No. of Claims: 108

(21) Application No.179/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :08/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: ELECTROCHEMICAL HIGH RATE STORAGE MATERIALS PROCESS AND ELECTRODES

(51) International :C01B31/02,H01M4/587,H01M4/62 classification

(31) Priority Document No :13/548515

(32) Priority Date :13/07/2012 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2013/049688

:09/07/2013

Filing Date

(87) International Publication :WO 2014/011616

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application:NA Number :NA Filing Date

(71)Name of Applicant:

1)CORNING INCORPORATED

Address of Applicant: 1 Riverfront Plaza Corning New York

14831 U.S.A.

(72)Name of Inventor:

1)GADKAREE Kishor Purushottam

2)LIM James Robert

(57) Abstract:

A non activated majority non graphitic amorphous carbon material may be produced by supplying a carbonized precursor material heating the carbonized precursor material in a first heating step at a temperature and for a duration sufficient to produce a heat treated carbon material that has a specific surface area less than about 500 m/g and is less than about 20% graphitic by mass purifying the heat treated carbon material and heating the purified heat treated carbon material in a second heating step at a temperature and for a duration to produce a non activated majority non graphitic amorphous carbon material that has a specific surface area less than about 500 m/g and is less than about 20% graphitic by mass.

No. of Pages: 21 No. of Claims: 19

(21) Application No.229/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention : ENHANCED BRAIN BIOAVAILABILITY OF GALANTAMINE BY SELECTED FORMULATIONS AND TRANSMUCOSAL ADMINISTRATION OF LIPOPHILIC PRODRUGS

(51) International classification	:A61K31/00,A61K31/55	(71)Name of Applicant:
(31) Priority Document No	:61/676348	1)NEURODYN LIFE SCIENCES INC.
(32) Priority Date	:27/07/2012	Address of Applicant :Suite 508 NRC INH 550 University
(33) Name of priority country	:U.S.A.	Ave C1A 4P3 Charlottetown Canada
(86) International Application No	:PCT/EP2013/065880	(72)Name of Inventor:
Filing Date	:29/07/2013	1)MAELICKE Alfred
(87) International Publication No	:WO 2014/016430	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

The invention relates to selected administration routes for CNS (central nervous system) therapeutics and highly soluble salts solutions emulsions or powder formulations thereof having optimal brain delivery due to the mode of administration and the chemical nature of the compounds of the invention.

No. of Pages: 64 No. of Claims: 41

(21) Application No.244/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :12/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention : DISPLAY APPARATUS REMOTE CONTROLLING APPARATUS AND CONTROL METHOD THEREOF

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:H04Q9/04 :1020120066369 :20/06/2012 :Republic of Korea :PCT/KR2013/000851 :01/02/2013 :WO 2013/191351 :NA :NA :NA	(71)Name of Applicant: 1)SAMSUNG ELECTRONICS CO. LTD. Address of Applicant:129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (72)Name of Inventor: 1)CHOI Eun seok 2)CHOI Sang on 3)OH Jung yeob 4)Woo Suk young 5)JUNG Han chul
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(57) Abstract:

A remote controlling apparatus is provided. The remote controlling apparatus for selecting one of a plurality of operating modes of an external device being operable between a pointing mode and a gesture mode associated with the remote controlling apparatus includes an output unit for outputting information regarding the remote controlling apparatus to the external device a detection unit for detecting motion of the remote controlling apparatus a motion information generating unit for generating motion information based on the detected motion of the remote controlling apparatus an operation mode change unit for providing information regarding an operation mode for changing the operation mode of the external device being operable between the pointing mode and the gesture mode.

No. of Pages: 53 No. of Claims: 15

(21) Application No.181/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :08/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: NUTRITIONAL CREAMER COMPOSITION

:02/07/2013

:WO 2014/022051

(51) International classification :A23D9/00,A23D7/00,A23C11/00 (71)Name of Applicant :

(31) Priority Document No :13/565339 (32) Priority Date :02/08/2012

(33) Name of priority country :U.S.A.

(86) International Application :PCT/US2013/049057

No Filing Date

(87) International Publication

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)MJN U.S. HOLDINGS LLC

Address of Applicant :2701 Patriot Blvd. 4th Floor Glenview

Illinois 60026 U.S.A.

(72) Name of Inventor: 1)GAYGADZHIEV Zafir

2)ORISKY Linda

(57) Abstract:

Provided herein are nutritional creamer compositions comprising a vegetable oil blend wherein the vegetable oil blend provides a suitable fatty acid profile or saturated fats polyunsaturated fats monounsaturated fats and trans fatty acids. The creamer compositions described herein are useful as a fat source for various nutritional compositions such as infant formulas children's nutritional products and adult nutritional compositions. Also provided herein are nutritional compositions comprises the aforementioned creamer compositions.

No. of Pages: 28 No. of Claims: 22

(22) Date of filing of Application :09/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention : BLOWING SPEAR FOR FABRICATION OF METALS AND MAINTENANCE OF LOADING AND BLOWING OPERATIONAL CONDITIONS

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No 	:C21C5/46 :BR1020120169614 :10/07/2012 :Brazil	(71)Name of Applicant: 1)LUMAR METALS LTDA. Address of Applicant:Rodovia MG 232 km 09 n. 70 Zona Rural 35.167 000 Santana do Paraiso MG Brazil (72)Name of Inventor:
· · · · · · · · · · · · · · · · · · ·		
•		1
	:Brazil	Rural 35.167 000 Santana do Paraiso MG Brazil
(86) International Application No	:PCT/IB2013/055590	(72)Name of Inventor:
Filing Date	:08/07/2013	1)DE SOUZA LIMA GUERRA Marcelo
(87) International Publication No	:WO 2014/009870	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) A1		•

(57) Abstract:

The current invention refers to a blowing spear (100) used in the primary refining process for obtainment of steel developed in such a way to maintain the loading and blowing operational conditions comprising at the base a copper nozzle (101) to which is welded in its extremity a tube (102) comprising yet a module (125) with cleaning output (103) and positioned above module (125) a steel tube (118) and on its upper extremity the head (107) that comprises a cooling liquid inlet (115) a gases inlet (116) and a cooling liquid outlet (117) comprising yet the spear (100) in its interior the inner tube (122) responsible for the gas passage and the intermediate tube (123) responsible for the division between the cooling liquid inlet flow and its outlet passing mandatorily through the copper nozzle (101).

No. of Pages: 13 No. of Claims: 11

(21) Application No.210/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: FILLING DEVICE FOR FLUID TANK

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country 	:B64D37/16 :1256623 :10/07/2012 :France	(71)Name of Applicant: 1)TURBOMECA Address of Applicant: F 64510 Bordes France (72)Name of Inventor:
(86) International Application NoFiling Date(87) International Publication No	:PCT/FR2013/051607 :05/07/2013 :WO 2014/009640	1)CAZAUX Yannick 2)BROTIER Sbastien 3)BUENO Armand
(61) Patent of Addition to Application Number Filing Date	:NA :NA	4)RENAULT Lionel
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

Filling device (100, 200, 300, 400, 500) for fluid tank (10) comprising a filling pipe (102, 402, 502), a f⁻rst stopper (110, 210, 420, 510) to prevent the overfilling of the tank, and a second stopper (120, 220, 320, 420, 520) for preventing unwanted o discharge of fluid from the tank; a first float (110, 2 10, 4 10, 510) mechanically connected to the first stopper so that the first float, by positioning itself in a predetermined position, closes the first stopper; and a System (122, 222, 422) for retaining the second stopper which, when fluid leaves the tank, closes the second stopper and, when the fluid enters the tank, opens the second stopper. The retai - o ning system constantly urges the second stopper because when the device is in a position under the effect of the weight of a heavy lment (430, 520), the retaining system tends constantly to keep the second stopper (420, 520) in its closed position.

No. of Pages: 27 No. of Claims: 13

(21) Application No.246/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :12/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: METHOD FOR CONTROLLING A WIND FARM

(51) International classification :H02J3/16,F03D9/00,H02J3/26 (71)Name of Applicant :

(31) Priority Document No :10 2012 212 777.1 (32) Priority Date :20/07/2012

(33) Name of priority country :Germany

:PCT/EP2013/063974 (86) International Application No

Filing Date :02/07/2013

(87) International Publication No :WO 2014/012789

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1) WOBBEN PROPERTIES GMBH

Address of Applicant: Dreekamp 5 26605 Aurich Germany

(72) Name of Inventor: 1)DIEDRICHS Volker

(57) Abstract:

The invention relates to a method for controlling a wind farm (200) comprising a plurality of wind turbines (202) for feeding electrical power at a network connection point (PCC) (204) into an electrical AC voltage network (206). The method comprises feeding in a three phase current at the network connection point (204) detecting a mains voltage (U) at the network connection point comparing the mains voltage (U) detected at the network connection point (204) with at least one predetermined target value determining target values for the wind turbines (202) depending on the performed comparison to comply with a stability criterion at the network connection point (204) transferring the specified target values to turbine control units (212) of the individual wind turbines (202) and generating electrical current (i1,i2,i3) at each of the wind turbines (202) depending on the predetermined target values for jointly feeding in at the network connection point (204).

No. of Pages: 51 No. of Claims: 14

(21) Application No.1277/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :13/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention : $^{\sim}$ METHOD FOR DETECTING DETONATION PHENOMENA IN AN INTERNAL COMBUSTION ENGINETM

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No 	:F02P17/12 :BO2013A000224 :14/05/2013 :Italy :NA :NA	Address of Applicant :CORBETTA Viale Aldo Borletti, 61/63, ITALY (72)Name of Inventor :
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	: NA	1)Nicola GARAGNANI 2)Riccardo LANZONI 3)Filippo CAVANNA

(57) Abstract:

A method for detecting the development of detonation phenomena in an internal combustion engine (1) which includes determining the variance (si) of each combustion taken into account for a given cylinder (2) and in a given engine point as a function of the comparison between the detonation energy (μ i) of each combustion taken into account and the self-learnt mean detonation energy (μ i_m) for the given cylinder (2) and in the given engine point; calculating the maximum variance (σ i_max) for a given cylinder (2) and in a given engine point by means of a reduction of the spark advance actuated in the given cylinder (2); and determining the development of detonation phenomena for each combustion taken into account as a function of the comparison between the maximum variance (σ i_max) and the variance (σ i) of each combustion taken into account for a given cylinder (2) and in a given engine point.

No. of Pages: 40 No. of Claims: 12

(21) Application No.134/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: RE-ENTERABLE ENCLOSURE

(51) International classification	:H02G15/013,H02G3/22	(71)Name of Applicant:
(31) Priority Document No	:61/667257	1)TYCO ELECTRONICS RAYCHEM BVBA
(32) Priority Date	:02/07/2012	Address of Applicant :Diestsesteenweg 692 B 3010 Kessel Lo
(33) Name of priority country	:U.S.A.	Belgium
(86) International Application No	:PCT/EP2013/063495	(72)Name of Inventor:
Filing Date	:27/06/2013	1)COENEGRACHT Philippe
(87) International Publication No	:WO 2014/005917	2)HOUBEN Diederik
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

An enclosure (20,220) includes a housing (22, 222) and a sealing unit (48,42a,232) that mounts within a sealing unit opening (28,230) of the housing. The sealing unit (48,42a,232) provides a peripheral seal between the housing (22,222) and the sealing unit (48,42a,232) and provides seals around cable ports (50). The sealing unit (48, 42a,232) can be mounted to and removed from the housing (222) through the sealing unit opening (28,230). The base (26) lacks a permanent retention structure (55,155a) at the outer end of the base (26) for retaining the sealing unit (48, 42a,232) in the base (26). A cover (24) is removable from the base (26) without requiring the sealant arrangement (52,236) to be de pressurized. A fastening arrangement (55,155a) releasably retains the sealing unit (48,42a,232) in the sealing unit opening (28,230).

No. of Pages: 48 No. of Claims: 44

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention : YARN SPLICING DEVICE, WINDING UNIT, TEXTILE MACHINE AND YARN SPLICING METHOD

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No 	:2013- 119060 :05/06/2013 :Japan :NA :NA	(71)Name of Applicant: 1)MURATA MACHINERY, LTD. Address of Applicant: 3 Minami Ochiai-cho, Kisshoin, Minami-ku, Kyoto-shi, Kyoto 601-8326, JAPAN (72)Name of Inventor: 1)Akira SAWADA
(87) International Publication No		
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A yarn splicing device 10 includes a first untwisting section 40A and a second untwisting section 40B adapted to respectively introduce thereto, yarn ends yA, YB of yarns that have been disconnected, and to untwist the yarn ends YA, YB, and a yarn splicing section 50 adapted to twist the yarn ends YA, YB together that have been respectively untwisted by the first untwisting section 40A and the second untwisting section 40B. An untwisting monitoring section adapted to monitor untwisting states of the yarn ends YA, YB is provided in each of the first untwisting section 40A and the second untwisting section 40B.

No. of Pages: 37 No. of Claims: 13

(21) Application No.175/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :08/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: RAIL VEHICLE WITH AN AIR TIGHT SUPPLY DUCT CONTAINING BONDED COMPONENTS

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application 	:B61D17/12,B61D27/00 :10 2012 214 156.1 :09/08/2012 :Germany :PCT/EP2013/064962 :16/07/2013 :WO 2014/023525 :NA	(71)Name of Applicant: 1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: Wittelsbacherplatz 2 80333 M ¹ / ₄ nchen Germany (72)Name of Inventor: 1)LANGERT Wolfgang
(61) Patent of Addition to Application Number		
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The present invention relates to a rail vehicle having at least one air tight supply duct in the high roof area characterized in that the supply duct comprises at least one component (110) which is inserted by means of bonding into the rail vehicle body shell structure (100).

No. of Pages: 19 No. of Claims: 10

(21) Application No.256/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :12/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: METHODS AND SYSTEMS RELATED TO ESTABLISHING GEO FENCE BOUNDARIES

(51) International :G06Q50/30,G06Q50/10,G01S19/01 classification

(31) Priority Document No :13/545745 (32) Priority Date :10/07/2012 (33) Name of priority country:U.S.A.

(86) International :PCT/US2013/049090

Application No :02/07/2013 Filing Date

(87) International Publication :WO 2014/011445

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to :NA **Application Number**

:NA Filing Date

(71)Name of Applicant:

1)GORDONHOWARD ASSOCIATES INC.

Address of Applicant: 861 Southpark Drive Suite 200 Littleton

Colorado 80120 U.S.A. (72) Name of Inventor: 1)MORGAN Gerald A.

2)SCHWARZ Stanley G. 3)FRANK Jeffrey H.

4)MACHECA Christopher M.

(57) Abstract:

Establishing geo fence boundaries and collecting data. At least some of the illustrative embodiments are methods including: detecting a vehicle is located within a first political boundary; establishing a first geo fence boundary for the vehicle corresponding to the first political boundary the establishing responsive to detecting the vehicle is within the first political boundary; collecting data regarding the vehicle movement within the first geo fence boundary; and detecting the vehicle has departed the first geo fence boundary.

No. of Pages: 28 No. of Claims: 34

(22) Date of filing of Application :08/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: DATA TRANSMITTING DEVICE DATA DIVIDING DEVICE AND DATA DIVIDING METHOD

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date 	:H04L29/08,H04L29/02 :2012164736 :25/07/2012 :Japan :PCT/JP2013/004191 :05/07/2013 :WO 2014/017036 :NA :NA	(71)Name of Applicant: 1)NEC CORPORATION Address of Applicant: 7 1 Shiba 5 chome Minato ku Tokyo 1088001 Japan (72)Name of Inventor: 1)SONOBE Satoshi
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A data transmitting device (10) is provided with a transmission data dividing unit (11) that divides transmission data into blocks a transmission unit (12) that transmits the transmission data that has been divided into blocks to a receiving device (2) a calculating unit (13) that calculates the size of surplus data generated as a result of dividing the transmission data into blocks of a given data size and a surplus data determining unit (14) that determines whether the size of the surplus data calculated by the calculating unit (13) is smaller than the smallest possible size the receiving device (2) is able to receive. If it is determined that the size of the surplus data is smaller than the smallest data size the transmission data dividing unit (11) divides the transmission data so that a portion of transmission data other than the surplus data is included in the block that includes the surplus data and generates a block that includes the surplus data and has a size greater than or equal to the smallest size.

No. of Pages: 66 No. of Claims: 10

(21) Application No.247/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 12/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: WIND POWERED THERMAL POWER GENERATION SYSTEM

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:12/07/2013 :WO 2014/017320 :NA :NA	(71)Name of Applicant: 1)SUMITOMO ELECTRIC INDUSTRIES LTD. Address of Applicant: 5 33 Kitahama 4 chome Chuo ku Osaka shi Osaka 5410041 Japan (72)Name of Inventor: 1)OKAZAKI Toru 2)NAKAMURA Taketsune
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A wind powered thermal power generation system equipped with: a windmill; an induction motor (200); a heat insulating container (250); a heat medium circulation mechanism (40); a magnetic field control means (30); and a power generation unit. The induction motor (200) is housed within the heat insulating container (250) and is equipped with a field (a rotor) (210) which has a field core (211) and a field conductor (215) connected to a rotary shaft (11) of the windmill and an armature (a stator) (220) which is arranged on the outside of the field (210) with a gap therebetween and has an armature core (221) and an armature winding (225). The heat medium circulation mechanism (40) circulates a heat medium (400) that receives the heat generated by the induction motor (200) inside the heat insulating container (250). The magnetic field control means (30) controls the current input to the armature winding (225) so as to result in slipping that generates load torque on the rotor which rotates due to the rotation of the windmill. The power generation unit converts to electricity the heat from the heat medium (400) that has been heated by the induction motor (200).

No. of Pages: 25 No. of Claims: 4

(21) Application No.262/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :12/01/2015 (43) Publication Date : 12/06/2015

:NA

(54) Title of the invention: QUARTER PALLET

:B65D19/06,B65D19/24 (71)Name of Applicant : (51) International classification 1)CHEP UK LIMITED (31) Priority Document No :1212646.2 (32) Priority Date :16/07/2012 Address of Applicant : Unit 2 Weybridge Business Park (33) Name of priority country Addlestone Road Addlestone Weybridge Surrey KT15 2UP U.K. :U.K. (72)Name of Inventor: (86) International Application No :PCT/GB2013/051854 1)TAKYAR Saniiv Filing Date :12/07/2013 (87) International Publication No :WO 2014/013230 2)WESSON Karl Michael (61) Patent of Addition to Application 3)STUVE Gert :NA Number 4)VAN MAREN Jean Marc :NA Filing Date (62) Divisional to Application Number :NA

(57) Abstract:

Filing Date

A pallet (10) for transporting products thereon the pallet comprising a top with a product supporting surface (12) and an opposing underside four feet (14,16) and at least four sides (18,20,22,24) wherein the four feet each extend away from the underside of the top have a first opening (26) facing out through the product supporting surface and have an inner member (34) extending from a further opening in the sole of the foot the part of the sole surrounding the further opening connecting the inner member to an outer wall of the foot and the inner member extending away from the sole towards the product supporting surface the feet thus allowing stacking of a plurality of such pallets with the feet of a first such pallet extending into the first openings of a second such pallet and with the inner member of the second such pallet extending into the second openings of the first such pallet.

No. of Pages: 111 No. of Claims: 135

(21) Application No.154/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention: METHOD FOR PRODUCING A PROTEIN AND LIPID COMPRISING COMPOSITION WITH REDUCED DIGESTIVE COAGULATION

(51) International :A23C3/033,A23L1/305,A23C21/04

classification

(31) Priority Document No :PCT/NL2012/050489

(32) Priority Date :09/07/2012 (33) Name of priority country: Netherlands

(86) International Application: PCT/NL2013/050520

No :09/07/2013

Filing Date

(87) International Publication :WO 2014/011040

(61) Patent of Addition to :NA **Application Number**

:NA Filing Date (62) Divisional to

:NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)N.V. NUTRICIA

Address of Applicant : Eerste Stationsstraat 186 NL 2712 HM

Zoetermeer Netherlands (72)Name of Inventor:

1)VAN DEN BRAAK Claudia Catharina Maria

2)LUDWIG Thomas 3)MINOR Marcel

4)VERDURMEN Rudolph Eduardus Maria

5) RUIS Hilde

(57) Abstract:

The present invention relates to a process of producing a composition comprising at least two different proteins of which at least one is a casein and at least one is an anti coagulating protein comprising the steps of: a) heat sterilising a first liquid component which comprises said casein in an amount of at least 85wt% of the total protein content of the first component b) heat sterilising a second liquid component comprising said anti coagulating protein and c) mixing said first component with said second component to obtain a mixture thereof. The obtained mixture is useful as a food constituent having reduced coagulation in the upper gastro intestinal tract more in particular in the stomach.

No. of Pages: 33 No. of Claims: 22

(22) Date of filing of Application :09/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention : INERT ALLOY ANODE USED FOR ALUMINUM ELECTROLYSIS AND PREPARATION METHOD THEREFOR

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:C25C3/12 :201210188424.6 :11/06/2012 :China :PCT/CN2013/076441 :30/05/2013 :WO 2013/185539 :NA :NA :NA	(71)Name of Applicant: 1)INNER MONGOLIA UNITED INDUSTRIAL CO. LTD. Address of Applicant:Room 3 3 Building C8 Dongyuan Community Erdos Street Saihan District Hohhot Inner Mongolia 010020 China (72)Name of Inventor: 1)SUN Songtao 2)FANG Yulin
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(57) Abstract:

An inert alloy anode used for aluminum electrolysis. The anode has Fe and Cu as the main constituents and comprises Sn. The addition of the Sn metal is conducive to the formation of a layer of oxidized film having a great antioxidant activity and structural stability on the surface of the inert alloy anode and is conducive to an increase in the corrosion resistance of the anode. On this basis the constituents of the inert alloy anode also comprise Ni Al and Y. The addition of the Al metal prevents the main metal constituents from being oxidized the addition of the Y metal controls the alloy to provide a required polymorph in a preparation process thus achieving the goal of anti oxidation. The inert alloy anode having Fe and Cu as the main constituents has a low over voltage high electric conductivity and reduced costs and is applicable in the aluminum electrolysis industry.

No. of Pages: 26 No. of Claims: 10

(21) Application No.224/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: TEXTURED CLOSURE SURFACE FOR FUEL VAPOR VALVE

:NA

:NA

:B60K15/035,F16K17/34 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)EATON CORPORATION :61/670788 (32) Priority Date :12/07/2012 Address of Applicant: 1000 Eaton Boulevard Cleveland OH (33) Name of priority country :U.S.A. 44122 U.S.A. (86) International Application No :PCT/US2013/031479 (72) Name of Inventor: Filing Date :14/03/2013 1)WALKOWSKI Paul D. (87) International Publication No :WO 2014/011234 (61) Patent of Addition to Application :NA Number :NA Filing Date

(57) Abstract:

Filing Date

A valve assembly is provided for venting pressure in a fuel tank. The valve assembly includes a float member that is movable between a first position and a second position. A flexible seal is supported on the float member. The valve assembly also includes a valve port that may define an orifice and a closure surface surrounding the orifice. The closure surface may include textured features that are configured to engage a surface of the seal when the float member is in the second position.

No. of Pages: 14 No. of Claims: 20

(62) Divisional to Application Number

(19) INDIA

(22) Date of filing of Application :12/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: LIPID CONTAINING FORMULATIONS

(51) International classification	:C07C209/78, C07C233/36	(71)Name of Applicant: 1)ALNYLAM PHARMACEUTICALS INC.
(31) Priority Document No	:60/828,022	Address of Applicant :300 Third Street Cambridge,
(32) Priority Date	:03/10/2006	Massachusetts 02142, U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2007/080331	1)MUTHIAH MANOHARAN
Filing Date	:03/10/2007	2)KALLANTHOTTAHIL G. RAJEEV
(87) International Publication No	: NA	3)AKIN AKINC
(61) Patent of Addition to Application	:NA	4)K. NARAYANANNAIR JAYAPRAKASH
Number	:NA	5)MUTHUSAMY JAYRAMAN
Filing Date	.IVA	6)MARTIN A. MAIER
(62) Divisional to Application Number	:2211/DELNP/2009	
Filed on	:02/04/2009	

(21) Application No.255/DELNP/2015 A

(57) Abstract:

Compositions and methods useful in administering nucleic acid based therapies, for example association complexes such as liposomes and lipoplexes are described.

No. of Pages: 181 No. of Claims: 24

(21) Application No.270/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: CLAMP TYPE FULL AUTOMATIC INJECTION PEN

(51) International classification :A61M5/24,A61M5/20,A61M5/36 (71) Name of Applicant :

(31) Priority Document No :201220282191.1 (32) Priority Date :14/06/2012

(33) Name of priority country :China

(86) International Application :PCT/CN2012/077665

No Filing Date :27/06/2012

(87) International Publication

:WO 2013/185380 (61) Patent of Addition to

:NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)GANSU CHANGEE BIO PHARMACEUTICAL

LIMITED COMPANY

Address of Applicant :Ershi Pu Industrial Zone Mai Ji District

Tian Shui City Gansu 741020 China

(72) Name of Inventor: 1)ZHANG Youping

(57) Abstract:

A clamp type full automatic injection pen comprises a pen body (5) and a needle outer protection sleeve (9). A button (3) is arranged at a bottom end of the pen body (5). A medication containing clamp type bottle (8) is installed in an internal cavity of the needle outer protection sleeve (9) and the pen body (5) and a vent needle sleeve (11) is sleeved on the periphery of a double edge injection needle (10) arranged at an opening end of the medication containing clamp type bottle. A hook (3) and a lock push rod (7) are arranged in the internal cavity of the pen body (5). An annular rib is opened on an inner surface at the bottom end of the pen body (5) and used for hooking securing of the hook (3) and the lock push rod (7) is used for being connected with a rubber plug arranged at a bottom end of the medication containing clamp type bottle (8). A button spring (2) is arranged between the button (3) and the annular rib and a lock push rod spring (6) is arranged between the lock push rod (7) and the annular rib. By means of the clamp type full automatic injection pen repeated injection usage is achieved and the usage is convenient.

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

(21) Application No.1374/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: CRAWLER TRACK

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number 	:B60F :61/827,259 :24/05/2013 :U.S.A. :NA :NA :NA	, , , , , , , , , , , , , , , , , , , ,
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A shoe for a crawler track includes a first end, a second end, a longitudinal axis extending between the first and second ends, a roller path axis extending perpendicular to the longitudinal axis, and an intermediate portion disposed between the first and second ends. The intermediate portion includes a roller-engaging portion disposed along the roller path axis, the intermediate portion including four successive faces that form a parallelogram when viewed from a direction substantially perpendicular to the longitudinal axis, two of the four faces being disposed at an acute angle relative to the longitudinal axis.

No. of Pages: 24 No. of Claims: 20

(22) Date of filing of Application :08/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention : STRAIN TAKE UP ELEMENT AND ASSOCIATED RECEIVING ELEMENT FOR ASSEMBLING TWO PARTS MADE OF POLYMER MATERIAL AND CORRESPONDING ASSEMBLY

Number Filing Date (62) Divisional to Application Number :NA
(62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

The invention concerns an assembly of two parts (1,3) made of polymer material the first part (1) comprising on an assembly face (2) at least one strain take up element (10) this assembly face (2) forming the lower wall (122) of a hollow casing (12) of the strain take up element (10) the second part (3) having at least one receiving element (30) for receiving the strain take up element (10) of the first part (1) the lateral walls of the shape of the hollow casing of the strain take up element (10) and the lateral walls of a housing of a shape complementary to the receiving element (30) being in contact. The invention also concerns a strain take up element (10) and an element (30) for receiving this strain take up element.

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

(21) Application No.249/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :12/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: TIRE WITH LAMINATE

(51) International :B60C11/03,B60C11/11,B60C11/13

classification (31) Priority Document No :61/678075

(32) Priority Date :31/07/2012 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2013/052831

:31/07/2013

Filing Date

(87) International Publication :WO 2014/022463

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date (57) Abstract:

(71)Name of Applicant:

1)BRIDGESTONE AMERICAS TIRE OPERATIONS LLC Address of Applicant: 535 Marriott Drive Nashville TN 37214

U.S.A.

(72) Name of Inventor:

1)STUCKEY Jon I.

2) CLEMMER Kathleen

3)JOHNSON David

4)WALTERS Jacob Lee

5)BERZINS Michael A. 6)HOLMES Wilbur Eugene III

7)BUXTON Todd Alan

8)WEATHERWAX Kent David

9)KAHWAJI Autumn T.

A tire includes a circumferential tread constructed of a base material. The circumferential tread has a plurality of tread elements with each of the plurality of tread elements having a top surface and a plurality of side surfaces. The circumferential tread further has a plurality of grooves disposed between the plurality of tread elements. A laminate covers at least some of the plurality of tread elements and at least some of the plurality of grooves. The laminate has greater snow traction than the base material.

No. of Pages: 26 No. of Claims: 22

(21) Application No.264/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 12/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: ELECTRIC MACHINE

(51) International :H02K19/36,H02K9/06,H02K11/04 classification

(31) Priority Document No :10 2012 212 166.8

(32) Priority Date :11/07/2012 (33) Name of priority country: Germany

(86) International Application :PCT/EP2013/064693

:11/07/2013

Filing Date

(87) International Publication

:WO 2014/009477

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(57) Abstract:

(71)Name of Applicant: 1)ROBERT BOSCH GMBH

Address of Applicant :Postfach 30 02 20 70442 Stuttgart

Germany

(72) Name of Inventor: 1)SEKERTZIS Vassilios 2)BIHLMAIER Julia 3)SCHMIDT Philipp 4)SPIELER Jochen

5)THIRUNAVUKARASU Sivagnanam

6)BAERMANN Joachim

The invention relates to an electric machine (10) comprising a housing (13) which comprises a bearing shield (13.2) and a rotor (20) mounted through the bearing shield (13.2). A ventilator (30) which is fixed to the rotor (20) can produce a cooling air flow along a cooling air path (46) through the housing (13). Said electric machine also comprises a regulator (91) which is fixed at least indirectly to the bearing shield (13.2). Said regulator (91) comprises a heat sink (153) which can be cooled by part of the cooling air flow along part of the cooling path (110) and said regulator (91) is arranged such that the heat sink (153) can be cooled by part of the cooling air flow which flows in front of the heat sink in the axial direction along part of the cooling path (110) which flows in the axial direction on the heat sink. Said electric machine is characterized in that the cooling air flow is defined in the peripheral direction by a plate shaped base (167) of the heat sink (153).

No. of Pages: 38 No. of Claims: 9

(21) Application No.272/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: CASSETTE SEMI AUTOMATIC INJECTION PEN

(51) International classification :A61M5/24,A61M5/20,A61M5/36 (71) Name of Applicant :

(31) Priority Document No :201220282154.0 (32) Priority Date :14/06/2012

(33) Name of priority country :China

(86) International Application :PCT/CN2012/077668

No

:27/06/2012 Filing Date

(87) International Publication

:WO 2013/185381 (61) Patent of Addition to

:NA **Application Number** :NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

1)GANSU CHANGEE BIO PHARMACEUTICAL

LIMITED COMPANY

Address of Applicant :Ershi Pu Industrial Zone Mai Ji District

Tian Shui City Gansu 741020 China

(72) Name of Inventor: 1)ZHANG Youping

(57) Abstract:

A cassette semi automatic injection pen comprises a push rod sheath (3) a midbody (9) and a needle outer sheath (10) that are connected successively. A push rod hole sleeve (5) is connected at the bottom of the midbody (9). A hanging buckle (17) is disposed in the midbody (9). A through hole at the bottom of the push rod hole sleeve (5) is disposed with a button (4) and a button spring (18) is disposed between the button (4) and the hanging buckle (17). A bottling buckle body (15) is installed in an inner cavity of the midbody (9) and a spring (7) is disposed between a rib disposed on an external surface of the bottling buckle body (15) and the hanging buckle (17). At least two barbs are disposed at the bottom of the bottling buckle body (15). A movable rubber plug of a drug containing cassette bottle (8) sleeved in an inner cavity of the bottling buckle body (15) contacts a push rod (2). An exhaust needle sleeve (11) is installed in the periphery of a double edge injection needle (14) installed at a bottle opening end of the drug containing cassette bottle. The accuracy and security of an injected dosage of the cassette semi automatic injection pen are high.

No. of Pages: 18 No. of Claims: 6

(21) Application No.231/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: VARIANTS HAVING GLUCOAMYLASE ACTIVITY

(51) International classification	:C12N9/34	(71)Name of Applicant:
(31) Priority Document No	:61/692040	1)DUPONT NUTRITION BIOSCIENCES APS
(32) Priority Date	:22/08/2012	Address of Applicant :Langebrogade 1 P.O. Box 17 DK 1001
(33) Name of priority country	:U.S.A.	Copenhagen K Denmark
(86) International Application No	:PCT/EP2013/067391	(72)Name of Inventor:
Filing Date	:21/08/2013	1)CRAMER Jacob Flyvholm
(87) International Publication No	:WO 2014/029808	2)DEGN Peter Edvard
(61) Patent of Addition to Application	:NA	3)NIKOLAEV Igor
Number	:NA	4)ALEKSEYEV Viktor
Filing Date	.IVA	5)VROEMEN Casper Willem
(62) Divisional to Application Number	:NA	6)TORRES PAZMINO Daniel
Filing Date	:NA	7)FISH Neville Marshall

(57) Abstract:

The present invention relates to variants having glucoamylase activity with improved properties and to compositions comprising these variants suitable for use for example in the production of a food beverage (e.g. beer) feed biochemical or biofuel. Also disclosed are DNA constructs encoding the variants and methods of producing the glucoamylase variants in host cells. Furthermore different methods and uses related to glucoamylases according to the invention are disclosed such as in a brewing process.

No. of Pages: 205 No. of Claims: 25

(19) INDIA

(22) Date of filing of Application :12/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: PERFUME SYSTEMS •

(51) International classification	:A61Q11/00, C07D493/08	(71)Name of Applicant: 1)THE PROCTER & GAMBLE COMPANY
(31) Priority Document No	:61/357,319	Address of Applicant :One Procter & Gamble Plaza,
(32) Priority Date	:22/06/2010	Cincinnati, Ohio 45202, U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2011/041408	1)SMETS, Johan
Filing Date	:22/06/2011	2)DENUTTE, Hugo, Robert Germain
(87) International Publication No	: NA	3)PINTENS, An
(61) Patent of Addition to Application	:NA	4)VAN AKEN, Koen
Number	:NA	5)VRIELYNCK, Freek, Annie, Camiel
Filing Date	.IVA	
(62) Divisional to Application Number	:10712/DELNP/2012	
Filed on	:10/12/2012	

(21) Application No.239/DELNP/2015 A

(57) Abstract:

The present application relates to perfume raw materials, perfume delivery systems and consumer products comprising such perfume raw materials and/or such perfume delivery systems, as well as processes for making and using such perfume raw materials, perfume delivery systems and consumer products. Such perfume raw materials and compositions, including the delivery systems, disclosed herein expand the perfume communities options as such perfume raw materials can provide variations on character and such compositions can provide desired odor profiles.

No. of Pages: 60 No. of Claims: 12

(21) Application No.269/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :13/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: ADJUSTABLE INJECTION PEN

(51) International classification	:A61M5/20,A61M5/31	(71)Name of Applicant:
(31) Priority Document No	:201220281005.2	1)GANSU CHANGEE BIO PHARMACEUTICAL
(32) Priority Date	:14/06/2012	LIMITED COMPANY
(33) Name of priority country	:China	Address of Applicant :Ershi Pu Industrial Zone Mai Ji District
(86) International Application No	:PCT/CN2012/077655	Tian Shui City Gansu 741020 China
Filing Date	:27/06/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/185379	1)ZHANG Youping
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

An adjustable injection pen comprises a middle protection sleeve (5) and a medication core installation cylinder (9). A medication core (14) is arranged in an inner cavity of the medication core installation cylinder (9) and an installation cylinder outer sleeve (7) is arranged on an outer surface of the medication core installation cylinder (9). An outer protection sleeve (3) is arranged on an outer surface of the middle protection sleeve (5) and a dose display sleeve (10) is arranged between a bottom end of the middle protection sleeve (5) and the outer protection sleeve (3). A bottom end of the dose display sleeve (10) is connected with a knob (2) and a button (1) is arranged in a through hole of the knob (2). An inner protection sleeve (4) is sheathed in the middle protection sleeve (5) and a rack (6) is sheathed in the inner protection sleeve (4). A top end of the rack (6) contacts with a rubber plug (15) of the medication core (14) double gears (13) are arranged in rack teeth on an inner surface of the rack (6) and contact with a gear seat at a top end of a lock rod (11) and the other end of the lock rod (11) is connected with an inner end of the button (1). A friction block (12) is arranged between the rack (6) and the middle protection sleeve (5). By means of the adjustable injection pen the injection dose is accurate and both the usage and the carrying are convenient.

No. of Pages: 16 No. of Claims: 5

(21) Application No.285/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: CATALYTIC PYROLYSIS PROCESS AND PYROLYSIS PRODUCTS SO FORMED

(51) International

:C10B49/22,C10B53/02,C10B57/06

classification

(31) Priority Document No :61/681072 (32) Priority Date :08/08/2012

(33) Name of priority country: U.S.A.

(86) International Application :PCT/EP2013/066533

Filing Date

:07/08/2013

(87) International Publication :WO 2014/023759

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date (57) Abstract:

(71)Name of Applicant:

1)ALBEMARLE EUROPE SPRL

Address of Applicant : Rue du Bosquet 9 B 1348 Louvain la

Neuve Sud Belgium

(72) Name of Inventor:

1)VASIC Milena

2)PRONK Martinus Henricus

3)VAN DUREN Ruben

4)KOCH Melle

5) VAN DEN OETELAAR Leonardus Cornelis Albertus

6)VAN DER BEEK David

Biomass material is pyrolyzed in the absence of air O H and solvent (e.g. HO) at 500°C or above in a reactor containing (i) a catalyst which as charged is a rehydrated calcium containing layered dihydroxide comprised of particles having an average particle size in the range of about 40 to about 400 microns (preferably in the range of about 50 to about 150 microns) which optionally is in a pre agglomerized form and (ii) a particulate fluidizable heat transfer medium preferably sand; and condensing and isolating pyrolysis oil produced and collecting and isolating non condensable gases separately from the condensed isolated liquid pyrolysis oil product. Pyrolysis oil obtained directly from the pyrolysis has a total acid number less than 70 mg/KOH/g; and a weight percentage of O

removal of 72 wt% or more as determined by a described test procedure and as calculated using an expression given in the text.

No. of Pages: 29 No. of Claims: 11

(21) Application No.176/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :08/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: EXHAUST GAS TURBOCHARGER

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:F02B37/00,F02B37/12,F02C7/00 :102012012616.6 :19/06/2012 :Germany :PCT/US2013/044925 :10/06/2013 :WO 2013/191941 :NA :NA	(71)Name of Applicant: 1)BORGWARNER INC. Address of Applicant: Patent Department 3850 Hamlin Road Auburn Hills Michigan 48326 U.S.A. (72)Name of Inventor: 1)PAUL Volker 2)KANOFFSKY Nico
11	:NA :NA :NA	

(57) Abstract:

The present invention relates to an exhaust gas turbocharger (1) having a turbine (2) which is provided with an adjustable turbine geometry and/or with a wastegate; and having an actuator (11) which is connected by means of a coupling rod (14; 14; 14) to the adjustable turbine geometry and/or to the wastegate wherein the coupling rod (14; 14; 14) is connected at its end regions at one side to the actuator (11) and at the other side to an adjusting shaft arrangement of the variable turbine geometry and/or of the wastegate wherein the coupling rod (14; 14; 14) is formed as an MIM component.

No. of Pages: 12 No. of Claims: 8

(22) Date of filing of Application :09/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention: DEVICE FOR THE METERED FEEDING OF STOCK INTO AN ALUMINIUM ELECTROLYSER

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:C25C3/14 :NA :NA :NA :NA :PCT/RU2012/000564 :12/07/2012 :WO 2014/011073 :NA :NA	(71)Name of Applicant: 1)OBSHCHESTVO S OGRANICHENNOY OTVETSTVENNOSTYU OBEDINENNAYA KOMPANIYA RUSAL INZHENERNO TEKHNOLOGICHESKIY TSENTR Address of Applicant: ul. Pogranichnikov 37 str. 1 Krasnoyarsk 660111 Russia (72)Name of Inventor: 1)URKOV Vladimir Viktorovich 2)GUSEV Aleksandr Olegovich 3)BATORSHIN Vladimir Petrovich 4)PETROV Aleksandr Mikhaylovich
(62) Divisional to Application Number Filing Date	:NA :NA	4)PETROV Aleksandr Miknaylovich

(57) Abstract:

The invention relates to a device for the metered feeding of stock into an aluminium electrolyser. The device comprises a hopper for the material to be metered a metering chamber with a rod having a pneumatic drive an upper shut off element which is rigidly fixed on the rod in the upper part of the metering chamber and is in the form of a valve a lower shut off element which is fixed on the end of the rod and is in the form of a cone valve with a conical cover and charging apertures which are arranged around the perimeter in the upper part of the dosing chamber above the base of the hopper. The upper limits of the charging apertures are arranged above the upper position of the valve and the distance from the base of the cone valve to the lower section of the metering chamber in an upper position of the rod is not less than the distance from the lower surface of the upper shut off element to the lower limit of the charging apertures. An increase in the reliability of the device and in the metering accuracy is ensured and accordingly the technological characteristics of the operation of the electrolyser are improved.

No. of Pages: 12 No. of Claims: 1

(22) Date of filing of Application :09/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: REDUCTION OF THE PAGING SIGNALING LOAD IN A COMMUNICATION SYSTEM

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:H04W68/04 :1213711.3 :01/08/2012 :U.K. :PCT/JP2013/068574 :02/07/2013 :WO 2014/021059 :NA :NA :NA	(71)Name of Applicant: 1)NEC CORPORATION Address of Applicant: 7 1 Shiba 5 chome Minato ku Tokyo 1088001 Japan (72)Name of Inventor: 1)AHLUWALIA Jagdeep Singh 2)KAWAGUCHI Kenji 3)GUPTA Neeraj 4)KOZUKA Hideki
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(57) Abstract:

The present invention provides a communication node for a communication network. The communication node includes means for identifying that paging is required for a mobile communication device means for obtaining information identifying at least one cell in which said mobile communication device has been located previously and for obtaining further information relating to at least one of movement of the mobile communication device between cells and a time when said mobile communication device was located in said at least one cell means for defining a set comprising at least one cell in which to seek said mobile communication device based on said information and said further information and means for initiating transmission of a respective paging message for said mobile communication device in each cell of said set.

No. of Pages: 45 No. of Claims: 36

(21) Application No.288/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: HIGH STRENGTH ELECTRICAL STEEL SHEET AND METHOD OF PRODUCING THE SAME

(51) International classification:C22C38/00,C21D8/12,C22C38/06 (71)Name of Applicant:

:08/08/2012

(31) Priority Document No :NA (32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application :PCT/JP2012/005046

Filing Date

(87) International Publication :WO 2014/024222

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1) JFE STEEL CORPORATION

Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chiyoda

ku Tokyo 1000011 Japan (72) Name of Inventor:

1)TODA Hiroaki

2)NAKANISHI Tadashi 3)KOHNO Masaaki

4)ODA Yoshihiko

(57) Abstract:

According to the present invention a high strength electrical steel sheet which is suitable as a material for a rotor for a high speed rotating motor can maintain high strength thereof steadily and has excellent magnetic properties can be produced. The high strength electrical steel sheet has a chemical composition containing in mass% 0.005% or less of C more than 3.5% and 4.5% or less of Si 0.01% to 0.10% inclusive of Mn 0.005% or less of Al 0.0010% to 0.0050% inclusive of Ca 0.0030% or less of S and 0.0030% or less of N wherein the Ca/S ratio is 0.80 or more and the remainder of the chemical composition is made up by Fe and unavoidable impurities. The high strength electrical steel sheet has a thickness of 0.40 mm or less contains a deformed structure of uncrystallized crystals in an amount of 10% to 70% inclusive and has tensile strength (TS) of 600 MPa or more and iron loss (W) of 30 W/kg or less.

No. of Pages: 40 No. of Claims: 3

(22) Date of filing of Application :22/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: METHOD FOR SYNCHRONIZING THE RECORDING OF DATA IN PIPELINE NETWROKS

(51) International classification(31) Priority Document No	:10 2013	(71)Name of Applicant : 1)SEBA-DYNATRONIC MESS- UND
(32) Priority Date	016 744.2 :09/10/2013	ORTUNGSTECHNIK GMBH Address of Applicant :DrHerbert-lann-Str.6, 96148 Baunach,
(33) Name of priority country	:Germany	Germany
(86) International Application No	:NA :NA	(72)Name of Inventor:
Filing Date (87) International Publication No	:NA	1)DR. MAX IANN 2)DR. HARALD SCHUBERTH
(61) Patent of Addition to Application Number	:NA	3)MICHAEL SARVAN
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

(57) Abstract:

A method and device for synchronizing the recording of data in pipeline networks, in which at least two sensor units arranged spaced apart are disposed for detecting a leak, each sensor unit including at least one sensor for registering an analog signal, at least one GPS receiver and at least one communication module which communicates by radio with at least one data logger, characterized in that the synchronization for the purpose of recording data is started via a GPS trigger pulse from at least one GPS satellite.

No. of Pages: 19 No. of Claims: 11

(22) Date of filing of Application :29/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: VEHICLE REAR PART STRUCTURE

(51) International classification	:B62D43/06	(71)Name of Applicant:
(31) Priority Document No	:2013- 121510	1)Suzuki Motor Corporation Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:10/06/2013	Hamamatsu-shi, 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)MASAKI, Yoshitaka
(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 vehicle rear part structure. A rear floor panel forms a floor surface of a rear part of a vehicle and has a front end portion extending in a width direction of the vehicle and an inclined surface inclined upwardly from both ends of the front end portion in the width direction of the vehicle towards a rear side of the vehicle. A main floor panel is coupled to the front end portion of the rear floor panel, the main floor panel forming a floor surface of the vehicle. A pair of side members are arranged along side ends of the rear floor panel and the main floor panel, the pair of side members extending in a longitudinal direction of the vehicle. A cross member bridges between the pair of side members below a boundary of the rear floor panel and the main floor panel and extending in the width direction of the vehicle. Each of the side members includes a lower surface, an outer wall surface extending upwardly at a vehicle outer side of the lower surface, and an inner wall surface extending upwardly at a vehicle inner side of the lower surface. The cross member includes both end portions fixed to the outer wall surfaces of the side members across the inner wall surfaces of the side members, a horizontal part extending along the main floor panel, and an inclined part extending along the inclined surface of the rear floor panel. A ridge line extending up to the both end portions is formed between the horizontal part and the inclined part.

No. of Pages: 18 No. of Claims: 6

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: COLOURED COMPOSITION SCREEN PRINTABLE ON A SHEET OF POLYMER MATERIAL

(51) International classification: B41M1/12,B41M1/26,B41M1/30 (71) Name of Applicant:

:22/07/2013

(31) Priority Document No :1257429 (32) Priority Date :31/07/2012

(33) Name of priority country :France

(86) International Application :PCT/FR2013/051760

Filing Date

(87) International Publication :WO 2014/020261

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)SAINT GOBAIN GLASS FRANCE

Address of Applicant :18 Avenue dAlsace F 92400

Courbevoie France

(72) Name of Inventor: 1)WERY Sbastien

2)DUCOURTHIAL Elodie

3)RAMI Jrome

4)BARBIER Beno®t

5)DASSONVILLE Camille

6)MOREL Anglique

(57) Abstract:

The invention relates to: a composition suitable for coloured printing by screen printing of a sheet of polymer material intended to be part of a laminated glazing characterized in that it comprises: 10% to 15% by weight of polyvinyl butyral 32% to 45% by weight of at least one solvent consisting predominantly of at least one aliphatic dicarboxylic acid diester and at least one white pigment in an amount and with a specific surface area selected such that the Brookfield viscosity at 20°C of the composition is between 9 and 13 Pa.s; a process for printing by screen printing a sheet of polymer material intended to be part of a laminated glazing by means of this composition; a sheet of polymer material intended to be part of a laminated glazing and printed by screen printing by means of this composition; and a laminated glazing comprising such a sheet of polymer material.

No. of Pages: 11 No. of Claims: 16

(21) Application No.290/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: EXHAUST GAS TURBOCHARGER

(51) International classification	:F02B37/18,F02B37/00	(71)Name of Applicant:
(31) Priority Document No	:102012012495.3	1)BORGWARNER INC.
(32) Priority Date	:21/06/2012	Address of Applicant :Patent Department 3850 Hamlin Road
(33) Name of priority country	:Germany	Auburn Hills Michigan 48326 U.S.A.
(86) International Application No	:PCT/US2013/045775	(72)Name of Inventor:
Filing Date	:14/06/2013	1)TSCHIRSCHKE Juergen
(87) International Publication No	:WO 2013/192027	
(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 an exhaust gas turbo charger (1) comprising a turbine housing (2) which has a turbine housing inlet (8) and a turbine housing outlet (9) and which has a wastegate duct (10) between the turbine housing inlet (8) and the turbine housing outlet (9) and a shut off element (13) for opening and closing the wastegate duct (10) wherein the shut off element (13) comprises a sleeve (14) which is inserted into the turbine housing (2) and a piston (22) which is guided in the sleeve (14) so as to be movable along a longitudinal axis (L) wherein the sleeve (14) has apertures (15 16) at which the wastegate duct (5) opens out into the interior of the sleeve (14).

No. of Pages: 11 No. of Claims: 10

(21) Application No.198/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: DYNAMIC PRESSURE CONTROL IN A BATTERY ASSEMBLY

(51) International classification	:H01M2/10,H01M10/48,H01M10/50	1)NUCLEUS SCIENTIFIC INC.
(31) Priority Document No	:13/493592	Address of Applicant :148 Sydney Street Cambridge
(32) Priority Date	:11/06/2012	Massachusetts 02139 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor : 1)KRISTOFEK Grant W.
(86) International Application No Filing Date	:PCT/US2013/042854 :28/05/2013	2)LAFONTAINE Serge R. 3)HUNTER Ian W.
(87) International Publication No	:WO 2013/188094	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

Operating a battery assembly that includes one or more rechargeable battery cells includes: monitoring one or more operational parameters of the battery cells; and dynamically controlling pressure applied to the one or more battery cells based at least in part on one or more of the monitored operational parameters.

No. of Pages: 29 No. of Claims: 14

(21) Application No.205/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: HYPOXIA INDUCIBLE FACTOR (HIF) ACTIVITY REPORTER CELL LINE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:C12Q1/66,G01N33/50 :PI 2012003492 :02/08/2012 :Malaysia :PCT/MY2013/000013 :29/01/2013 :WO 2014/021705 :NA :NA	(71)Name of Applicant: 1)UNIVERSITI PUTRA MALAYSIA (U.P.M) Address of Applicant:43400 Serdang Selangor Malaysia (72)Name of Inventor: 1)SHAFEE Norazizah 2)STANBRIDGE Eric J. 3)YUSOFF Khatijah 4)LIEW Sien Yei
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(57) Abstract:

The present invention relates to the construction of a new hypoxia inducible factor (HIF) responsive reporter gene construct the genetic constructs and vectors containing the same. Further the present invention relates to a stable cell line comprising the HIF responsive reporter construct as well as methods and uses of the inventive constructs and cell lines to identify modulators of HIF activity.

No. of Pages: 25 No. of Claims: 17

(19) INDIA

(22) Date of filing of Application :10/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention : ROUTING FOR SUPER CHANNEL FOR BANDWIDTH VARIABLE WAVELENGTH SWITCHED OPTICAL NETWORK

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (1004) Filing Date Filing Date Filing Date (1104) Filing Date Filing Date Filing Date Filing Date SHOULD SHOUL	2)CUGINI Filippo
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(57) Abstract:

In an optical communications network using bandwidth variable wavelength switching routing and spectrum assignment for a traffic request for x sub carriers of a super channel involves checking (103) for an existing super channel having sufficient potential sub carriers not currently active. If not found then possible paths for a new super channel are identified (107) and a path is selected and sub carriers assigned (140). By trying first to use inactive potential sub carriers of an existing super channel fewer super channels overall are needed and thus fewer super transponders are needed. This can reduce blocking probabilities and can reduce capital costs. The search for possible paths can try to avoid or reduce overlap with spectrum of existing super channels or compare possible paths by weighting according to amounts of overlap.

No. of Pages: 34 No. of Claims: 17

(21) Application No.248/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 12/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: LIGHT BEAM EMITTING DEVICE AND HEADLIGHT IN PARTICULAR FOR A MOTOR VEHICLE INCLUDING SAID DEVICE

(51) International classification :F21S8/10,F21V5/00,F21V14/06 (71) Name of Applicant:

(31) Priority Document No :1256966

(32) Priority Date :19/07/2012

(33) Name of priority country :France

(86) International Application No:PCT/EP2013/064882

Filing Date :15/07/2013 (87) International Publication No: WO 2014/012878

(61) Patent of Addition to :NA Application Number

:NA Filing Date

(62) Divisional to Application :NA

Number :NA Filing Date

(57) Abstract:

1)VALEO VISION BELGIOUE

Address of Applicant :34 rue Saint Andr F 93012 Bobigny

Cedex France

(72)Name of Inventor: 1)MALIAR Rmi 2)HERBIN Cyril 3)HAYET Frederic

4)DRAGUET Olivier

The invention relates to a light beam emitting device including a lens (1) and a means creating a cutoff line of the beam said device being configured so as to enable the positioning of said cutoff line to be adjusted in a given direction in particular in the vertical direction depending on the angular positioning of said lens (1) about a pivot axis (3) said lens (1) including a so called optical portion (4) for transmitting the beam and a portion (5) for rotatably pivoting about said pivot axis (3) said pivoting portion (5) and said optical portion (4) being integral with one another. The invention also relates to a headlight in particular for a motor vehicle including said emitting device.

No. of Pages: 17 No. of Claims: 15

(21) Application No.263/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :12/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention : MONOCLONAL ANTIBODIES FOR USE IN DIAGNOSIS AND THERAPY OF CANCERS AND AUTOIMMUNE DISEASE

:A61K39/395,A61K39/00 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)BOARD OF REGENTS THE UNIVERSITY OF TEXAS :61/669967 (32) Priority Date :10/07/2012 **SYSTEM** (33) Name of priority country Address of Applicant :201 West 7th St. Austin TX 78701 :U.S.A. (86) International Application No :PCT/US2013/049368 U.S.A. Filing Date (72) Name of Inventor: :03/07/2013 (87) International Publication No :WO 2014/011489 1)MOLLDREM Jeffrey (61) Patent of Addition to Application 2)SERGEEVA Anna :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

The specification describes the sequences for antibodies that recognize the HLA A2 restricted peptide PR 1 in the context of HLA presentation on the surface of cancer cells. Use of these antibodies in the diagnosis and treatment of cancer and immune related diseases are also provided.

No. of Pages: 162 No. of Claims: 61

(21) Application No.296/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :13/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention : METHOD FOR PRODUCING CARBONIZED COAL METHOD FOR WORKING BLAST FURNACE AND METHOD FOR OPERATING BOILER

(51) International classification :C10L9/08 (71)Name of Applicant: (31) Priority Document No :2012206775 1)MITSUBISHI HEAVY INDUSTRIES LTD. (32) Priority Date Address of Applicant: 16 5 Konan 2 chome Minato ku Tokyo :20/09/2012 (33) Name of priority country 1088215 Japan :Japan (86) International Application No :PCT/JP2013/074821 (72)Name of Inventor : Filing Date :13/09/2013 1)OMOTO Setsuo (87) International Publication No :WO 2014/046034 2)NAKAGAWA Keiichi (61) Patent of Addition to Application 3)HAMADA Tsutomu :NA Number 4)SAKAGUCHI Masakazu :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

Provided is a method for producing carbonized coal that enables production of carbonized coal in which the mercury content is reduced and excessive reduction of the volatile matter content is suppressed without carrying out complicated work. The present invention comprises: acquiring industrial analysis and elemental analysis data about raw coal (S11); performing a computation in accordance with formula (1) by using an amount of heat (A) obtained from the industrial analysis data or Dulong s formula a fuel ratio (B) based on the industrial analysis data a hydrogen content (C) in relation to the carbon content based on the elemental analysis data and an oxygen content (D) in relation to the carbon content based on the elemental analysis data (S12); and deriving a carbonization temperature (T) of the raw coal and setting a temperature for carbonizing the raw coal on the basis of the carbonization temperature (T) of the raw coal (S13). T = t1 + aA + bB + cC + dD + (1) where: t1 is an intercept; a b c and d are coefficients; and 450 = $t1 = 475 \cdot 0.145 = a = 0.155 \cdot 640 = b = 610 \cdot 1600 = c = 1700$ and $t1 = 475 \cdot 0.145 = a = 0.155 \cdot 640 = b = 610 \cdot 1600 = c = 1700$ and $t1 = 475 \cdot 0.145 = a = 0.155 \cdot 640 = b = 610 \cdot 1600 = c = 1700$ and $t1 = 475 \cdot 0.145 = a = 0.155 \cdot 640 = b = 610 \cdot 1600 = c = 1700$ and $t1 = 475 \cdot 0.145 = a = 0.155 \cdot 640 = b = 610 \cdot 1600 = c = 1700$ and $t1 = 475 \cdot 0.145 = a = 0.155 \cdot 640 = b = 610 \cdot 1600 = c = 1700$ and $t1 = 475 \cdot 0.145 = a = 0.155 \cdot 640 = b = 610 \cdot 1600 = c = 1700$ and $t1 = 475 \cdot 0.145 = a = 0.155 \cdot 640 = b = 610 \cdot 1600 = c = 1700$ and $t1 = 475 \cdot 0.145 = a = 0.155 \cdot 640 = b = 610 \cdot 1600 = c = 1700$ and $t1 = 475 \cdot 0.145 = a = 0.155 \cdot 640 = b = 610 \cdot 1600 = c = 1700$ and $t1 = 475 \cdot 0.145 = a = 0.155 \cdot 640 = b = 610 \cdot 1600 = c = 1700$ and $t1 = 475 \cdot 0.145 = a = 0.155 \cdot 640 = b = 610 \cdot 1600 = c = 1700 \cdot 1600 = c$

No. of Pages: 27 No. of Claims: 3

(21) Application No.200/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: EXPANSION ANCHOR

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date 	:F16B13/12 :10 2012 107 235.3 :07/08/2012 :Germany :PCT/EP2013/002310 :02/08/2013 :WO 2014/023410 :NA :NA	(71)Name of Applicant: 1)FISCHERWERKE GMBH & CO. KG Address of Applicant: Klaus Fischer Strasse 1 72178 Waldachtal Germany (72)Name of Inventor: 1)DALY Aaron
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The invention relates to an expansion anchor (1) with webs (5) running in a longitudinal direction of the anchor from which webs spreading elements (6) project in opposing circumferential directions. According to the invention the spreading elements (6) are formed in a hook shape and engaging at a distance (11) from one another in such a manner that they connect the webs (5) by means of form fits which take effect after a bending or torsion of the expansion anchor (1) or a buckling of the webs (5). A buckling bending and torsional rigidity of the expansion anchor (1) is increased.

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

(21) Application No.250/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 12/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: TIRE WITH LAMINATE

(51) International :B60C11/03,B60C11/11,B60C13/00

classification (31) Priority Document No :61/678075 (32) Priority Date :31/07/2012

(33) Name of priority country: U.S.A.

(86) International Application :PCT/US2013/052098

:25/07/2013

Filing Date

(87) International Publication :WO 2014/022199

(61) Patent of Addition to :NA **Application Number**

:NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date (57) Abstract:

(71)Name of Applicant:

1)BRIDGESTONE AMERICAS TIRE OPERATIONS LLC

Address of Applicant: 535 Marriott Drive Nashville Tennessee

37214 U.S.A.

(72) Name of Inventor: 1)BUXTON Todd Alan

2)BERZINS Michael A. 3)STUCKEY Jon I.

4) RETHMEL Benjamin Robert

5)CLEMMER Kathleen

6) GIVENS Sam

A tire includes a circumferential tread constructed of a base material. The circumferential tread has a plurality of bars each of the plurality of bars having a top surface and a plurality of side surfaces. The circumferential tread further has a plurality of valleys disposed between the plurality of bars. A laminate covers at least some of the plurality of valleys. The laminate has a greater elongation at break than the base material.

No. of Pages: 18 No. of Claims: 20

(21) Application No.298/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: PRE STRESSING TENDON SEPARATION DEVICE

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:B23D29/00 :10 2012 214 010.7 :07/08/2012 :Germany :PCT/EP2013/064409 :08/07/2013 :WO 2014/023499 :NA :NA	(71)Name of Applicant: 1)WOBBEN PROPERTIES GMBH Address of Applicant: Dreekamp 5 26605 Aurich Germany (72)Name of Inventor: 1)G-PFERT Heinrich 2)GRAF Christoph
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The invention relates to a device (1) for the separation of pre stressing tendons consisting of steel particularly pre stressing tendons for pre stressed concrete structures such as for example wind turbine towers said device being configured to separate a bundle that consists of a plurality of pre stressing tendons in one procedure. According to the invention the device comprises a housing (3) a cutting body (29) arranged within the housing and a plurality of passage openings (13) corresponding to the plurality of pre stressing tendons that extend through the housing said passage openings each having a slot (23) running through them that is designed to receive the cutting body (29) and said cutting body having one or more cutting edges (43) and being able to be driven in the housing in a movable manner relative to the passage openings in a cutting direction such that the cutting edge or edges pass fully across the passage openings.

No. of Pages: 32 No. of Claims: 15

(21) Application No.308/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: HOLDER STRUCTURE FOR SIMULTANEOUSLY HOLDING A PLURALITY OF CONTAINERS FOR SUBSTANCES FOR MEDICINAL PHARMACEUTICAL OR COSMETIC APPLICATIONS AS WELL AS A TRANSPORTATION OR PACKAGING CONTAINER COMPRISING SAME

(51) International classification: F26B5/06,F26B25/00,B65B21/18 (71) Name of Applicant:

:WO 2014/009037

(31) Priority Document No :10 2012 106 341.9

(32) Priority Date :13/07/2012

(33) Name of priority country :Germany

(86) International Application :PCT/EP2013/059297

No

:03/05/2013 Filing Date

(87) International Publication

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)SCHOTT AG

Address of Applicant : Hattenbergstrae 10 55122 Mainz

Germany

(72) Name of Inventor:

1)DEUTSCHLE Gregor Fritz

2)KOCH Kristopher

3)WISSNER Kai

(57) Abstract:

The invention relates to a holder structure for simultaneously holding a plurality of containers (2) for substances for cosmetic medicinal or pharmaceutical applications particularly bottles and which comprises a carrier (134) that has a plurality of openings or receiving portions (135) into which the containers can be introduced as well as holder means for holding the container in place in these openings or receiving portions. According to the invention the holder means comprise at least two holder tabs (140) which are provided on the edge of a given opening or receiving portion and project away from an upper side of the carrier (134) so as to hold the container in question in place said holder tabs (140) being designed such that they are elastically pivoted or folded back as the container is introduced into the openings or receiving portions and being adapted to the containers such that these are held in place by means of said holder tabs with radial play and a low degree of tension. The radial play allows production related tolerances to be compensated for but also different types of container with different outer dimensions to be held using the same holder structure. Since base support of the containers in the holder structure is not required the containers may be accessed easily. In particular they can be transferred in batches to further processing stations where they are processed further while being held in the holder structure. The containers can be lifted or moved for example rotated in the openings or receiving portions with very little expenditure of force.

No. of Pages: 58 No. of Claims: 30

(19) INDIA

(22) Date of filing of Application :09/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention : DEVICE FOR FORMING FOAMED KNEADED MATERIAL AND METHOD FOR FORMING FOAMED KNEADED MATERIAL

(51) International classification
(31) Priority Document No
(32) Priority Date
(33) Name of priority country
(34) B22C9/02,B22C15/02
(2012142332
(25/06/2012
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(25/06/2012

(86) International Application No
Filing Date

Sapan

Sapan

PCT/JP2013/060988

:11/04/2013

(87) International Publication No :WO 2014/002578

(61) Patent of Addition to Application
Number
Filing Date
:NA

(62) Divisional to Application Number :NA Filing Date :NA

(71)Name of Applicant: 1)SINTOKOGIO LTD.

Address of Applicant :11 11 Nishiki 1 chome Naka ku Nagoya

shi Aichi 4600003 Japan

(72)Name of Inventor:

1)KATO Yusuke 2)ZENPO Toshihiko

3)KANNO Toshio

4)WATANABE Hirotsune

5)SUDA Tomokazu

6)NAGATA Yasutake

7)MITSUTAKE Masaomi

8)MAEGAWA Takumi

(57) Abstract:

Provided are a device for forming a foamed kneaded material and a method for forming a foamed kneaded material the device and method being capable of filling a mold forming space with the foamed kneaded material which has been satisfactorily foamed. First a foamed kneaded material (a) is supplied into a cylinder (20) (first step). After that a piston (26) is moved toward the foamed kneaded material (a) while an air vent hole (40A) is open the air vent hole (40A) being formed in the piston (26) so as to penetrate therethrough (second step) and if it is detected that the piston (26) has reached an assumed position (X) which is assumed to be the position at which the piston (26) is in contact with the foamed kneaded material (a) the air vent hole (40A) is closed by an opening closing plug (40B) (third step). Then the piston (26) is further moved toward the foamed kneaded material (a) pressing the foamed kneaded material (a) which is within the cylinder (20) toward a mold forming space (14) (fourth step).

No. of Pages: 32 No. of Claims: 9

(21) Application No.228/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: CONVEYOR BEAM

(51) International classification :B65G21/06,E04B1/58,F16B2/18 (71)Name of Applicant: (31) Priority Document No :12507620 1)FLEXLINK AB (32) Priority Date :04/07/2012

(33) Name of priority country :Sweden

(86) International Application :PCT/SE2013/050858 No

:03/07/2013 Filing Date 2)SALMI Marko

(87) International Publication :WO 2014/007747

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number

:NA Filing Date

Address of Applicant : Byfogdegatan 11 S 415 50 Gteborg

Sweden

(72) Name of Inventor: 1)ASKERDAL Magnus

(57) Abstract:

Conveyor beam for a conveyor system comprising a plurality of connector elements and at least two conveyor beam elements where the connector element comprises a central portion two outer portions and two peripherally grooves extending peripherally around the connector element between the central portion and the outer portions where the connector element is provided with a first inserting position in which the connector element is inserted between two conveyor beam elements with the first outer portion positioned in a channel of a first conveyor beam element and the second outer portion positioned in a channel of a second conveyor beam elements and a second arresting position in which the connector element locks the conveyor beam elements together to form the conveyor beam. The advantage of the invention is that a conveyor beam of any desired shape can be obtained in an easy and fast way.

No. of Pages: 24 No. of Claims: 13

(21) Application No.289/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: METHOD FOR MANUFACTURING NON ORIENTED ELECTROMAGNETIC STEEL SHEET

(51) International :C21D8/12,B22D11/00,C22C38/00 classification

(31) Priority Document No :2012181014 (32) Priority Date :17/08/2012

(33) Name of priority country :Japan

(86) International Application :PCT/JP2013/004792

:08/08/2013 Filing Date

(87) International Publication

(61) Patent of Addition to

Application Number :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

:WO 2014/027452

(57) Abstract:

(71)Name of Applicant: 1) JFE STEEL CORPORATION

Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chiyoda

ku Tokyo 1000011 Japan (72) Name of Inventor: 1)NAKANISHI Tadashi 2) ZAIZEN Yoshiaki

3)ODA Yoshihiko 4)TODA Hiroaki

In the present invention a non oriented electromagnetic steel sheet having excellent productivity and high magnetic flux density is obtained inexpensively and stably by a process in which during manufacturing of a non oriented electromagnetic steel sheet by a sequence of steps in which a slab having a component composition comprising in terms of mass% 0.0050% or less of C over 3.0% to 5.0% of Si 0.10% or less of Mn 0.0010% or less of Al over 0.040% to 0.2% of P 0.0040% or less of N 0.0003% to 0.0050% of S 0.0015% or more of Ca and a total of 0.01% to 0.1% of one or both of Sn and Sb the remainder being Fe and unavoidable impurities is cast in a continuous casting machine the slab is heated and subsequently hot rolled hot rolled plate annealing is then performed and after pickling the final sheet thickness is obtained by a single cold rolling after which a finishing annealing is performed in the hot rolled plate annealing step the soaking temperature is set to 900°C to 1050°C and the cooling rate after soaking is set to 5°C/s or greater.

No. of Pages: 29 No. of Claims: 3

(21) Application No.316/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention : POLYETHERIMIDE COMPOSITIONS METHODS OF MANUFACTURE AND ARTICLES FORMED THEREFROM

(57) Abstract:

A method for the manufacture of a polyetherimide composition includes catalyzing the reaction of a dianhydride and an organic diamine with a catalyst selected from guanidinium salts, pyridinium salts, imidazolium salts, tetra(C6-24)aryl ammonium salts, tetra(C7-24 arylalkylene) ammonium salts, dialkyl heterocycloaliphatic ammonium salts, bis-alkyl quaternary ammonium salts, (C7-24arylalkylene)(Cl-16alkyl) phosphonium salts, (C6-24aryl)(Cl-16alkyl) phosphonium salts, phosphazenium salts and combin ations thereof, optionally in the presence of a solvent.

No. of Pages: 90 No. of Claims: 47

(21) Application No.238/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :12/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: ROTARY CHARGING DEVICE FOR SHAFT FURNACE

(51) International classification
(31) Priority Document No
(32) Priority Date
(33) Name of priority country
(86) International Application No
(57) F27D3/00,
(92045)
(18/07/2012)
(20) Luxembourg
(21) F27D3/00,
(22) Priority Country
(22) Luxembourg
(23) Priority Country
(24) Priority Country
(25) PCT/EP2013/064913

Filing Date :15/07/2013
(87) International Publication No :WO 2014/012891

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to Application

:NA
:NA
:NA

(62) Divisional to Application Number :NA Filing Date :NA

:F27B1/20,F27D3/00,F27D3/10 (71)Name of Applicant : :92045 1)PAUL WURTH S.A.

Address of Applicant :32 rue dAlsace L 1122 Luxembourg

(72)Name of Inventor: 1)THILLEN Guy

2)THIX Christian Beno®t 3)HAUSEMER Lionel

(57) Abstract:

A rotary charging device for a shaft furnace comprising: a stationary housing (16) and a suspension rotor (22) that is supported so that it can rotate about a substantially vertical axis (A) a charge distributor (28) being pivotally suspended to the suspension rotor (22). Rotary drive means are provided for rotating the suspension rotor about its axis (A) and tilting drive means for pivoting the charge distributor (28) about a substantially horizontal pivoting axis (B) independently from said rotary drive means. The tilting drive means are mounted onto the suspension rotor (22) and rotate therewith; they comprise: an electric tilting motor (M) is installed inside the main casing (36) and having a substantially horizontal output shaft (52); a tilting input gear (54) driven by the tilting motor output shaft; and a tilting output gear (56) rotationally integral with a suspension arm (34) of said chute distributor (28) said tilting input gear meshing with said tilting output gear.

No. of Pages: 30 No. of Claims: 16

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(21) Application No.268/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: WATER POWDER RAPID INJECTOR

(51) International classification	:A61M5/178	(71)Name of Applicant:
(31) Priority Document No	:201220280659.3	1)GANSU CHANGEE BIO PHARMACEUTICAL
(32) Priority Date	:14/06/2012	LIMITED COMPANY
(33) Name of priority country	:China	Address of Applicant :Ershi Pu Industrial Zone Mai Ji District
(86) International Application No	:PCT/CN2012/077650	Tian Shui Gansu 741020 China
Filing Date	:27/06/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/185378	1)ZHANG Youping
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A water powder rapid injector comprises a water aqua bottle (5) and a water needle holder double ended needle (7) at a sealing end. A spring (11) is sleeved on an outer circle of the bottle body of the water aqua bottle (5). A water aqua sleeve (3) is sleeved on outer circumferences of the water aqua bottle (5) and the spring (11). A long needle head of the water needle holder double ended needle (7) extends out of an axle center hole of the water aqua sleeve (3). A push rod (1) is inserted into an axle center through hole of a spiral cover (2) at the other end of the water aqua sleeve (3). A powder sleeve (6) is sleeved on an outer surface of the water aqua sleeve (3). One end of the powder sleeve (6) is connected with a finger support (4) and a powder injection bottle (9) is arranged in an inner cavity at the other end of the powder sleeve (6). One end of the powder injection bottle (9) facing the long needle head of the water needle holder double ended needle (7) is provided with a piston (8) and the other end of the powder injection bottle (9) extends out of the powder sleeve (6) and is provided with a powder injection holder double ended needle (10). The injector is suitable for rapidly dispensing and injecting powder injections and water injections

No. of Pages: 19 No. of Claims: 10

(21) Application No.1371/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: ANTENNA FOR VEHICLE

(31) Priority Document No :10-2013-0058832 (32) Priority Date :24/05/201	(71)Name of Applicant: 1)INFACELECS CO., LTD. Address of Applicant: 37-27, NAMDONGSEO-RO 362BEON-GIL, NAMDONG-GU, INCHEON 405-846, Republic of Korea (72)Name of Inventor: 1)HONG, KIL-SUN 2)KIM, KYUNG-HWAN
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(57) Abstract:

Disclosed herein is a vehicle antenna including: an antenna unit; an upper case detachably coupled to the antenna unit; a lower case coupled to the upper case and fixed to a vehicle body; and a support member housed in a space formed by the upper case and the lower case. The upper case may include an upper case coupling member which is detachably coupled to the antenna unit, a signal terminal connected to the upper case coupling member, a holder member for fixing the signal terminal to the support member, and a ground terminal for ground connection may be installed between the support member and the upper case, and a metallic spring may be disposed between the signal terminal and the upper case coupling member.

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

(19) INDIA

(22) Date of filing of Application :09/01/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention : BUSBAR ARRANGEMENT FOR ALUMINIUM ELECTROLYSERS WITH A LONGITUDINAL POSITION

(57) Abstract:

The invention relates to a busbar arrangement for heavy duty aluminium electrolysers when said electrolysers have a longitudinal position. The busbar arrangement comprises anode busbars risers and cathode rods which are divided into groups each of which is connected to separate cathode busbars wherein the cathode busbars for the groups of rods closest to the input end of the preceding electrolyser are connected to the risers positioned at the input end of the following electrolyser and the remaining groups of cathode rods are connected to the risers at the output end of the following electrolyser. The cathode busbars for the groups of rods closest to the input end of the preceding electrolyser are positioned beneath the base of the preceding electrolyser and the cathode busbars of the remaining groups of rods are positioned beneath the base of the preceding and the following electrolysers or of the preceding and following electrolysers and along the cathode sheath on the front face side of the following electrolyser. The risers at the input end of the following electrolyser are mounted with an offset towards the centre of the electrolyser relative to the risers at the output end of the following electrolyser. A high degree of compensation of electromagnetic forces in the melt is achieved by virtue of optimization of the configuration of the magnetic field in the electrolyser bath and a reduction in the vertical magnetic field.

No. of Pages: 16 No. of Claims: 2

(21) Application No.257/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 12/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: REDUNDANT LIP SEAL FOR VALVE

(51) International classification	:B60K15/00,F16J15/02	(71)Name of Applicant:
(31) Priority Document No	:61/677245	1)EATON CORPORATION
(32) Priority Date	:30/07/2012	Address of Applicant :1000 Eaton Boulevard Cleveland OH
(33) Name of priority country	:U.S.A.	44122 U.S.A.
(86) International Application No	:PCT/US2013/031859	(72)Name of Inventor:
Filing Date	:15/03/2013	1)WALKOWSKI Paul D.
(87) International Publication No	:WO 2014/021944	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract:

A valve assembly is provided that is suitable for use in a fuel fill line. The valve assembly may include a housing having a flange that surrounds the housing. A weld foot can be molded over at least a portion of the flange. A lip seal may be disposed between the flange and the weld foot. The lip seal includes a first lip and a second lip and the first lip and the second lip may both be in contact with a surface on one of the flange and the weld foot.

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

(19) INDIA

(22) Date of filing of Application: 14/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: INHIBITOR COMPOUNDS OF PHOSPHODIESTERASE TYPE 10A

(51) International :C07D471/04,A61K31/4745,A61P35/00 classification

(31) Priority Document

:61/684290

(32) Priority Date :17/08/2012

(33) Name of priority country

:U.S.A.

(86) International

:PCT/EP2013/067122

Application No Filing Date

:16/08/2013

(87) International Publication No

:WO 2014/027078

(61) Patent of Addition to :NA **Application Number**

:NA

Filing Date (62) Divisional to

:NA :NA

Application Number Filing Date

(71)Name of Applicant:

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2)ABBVIE INC.

(72)Name of Inventor:

1)GENESTE Herv

2)OCHSE Michael 3)DRESCHER Karla

4)JAKOB Clarissa

(57) Abstract:

The present invention relates to compounds of the formula I, the N-oxides, tautomers, the prodrugs and the pharma ceutically acceptable salts thereof, where in formula I the variables R 1, R2, R3, R4 and R5 are as defined in the claims and where X is C-R6 or N,Y is C-R7 or N, where R6 and R7 are, inter alia, hydrogen, halogen, alkoxy, haloalkoxy and the like. The compounds of the formula I, the N-oxides, tautomers, the prodrugs and the pharmaceutically acceptable salts thereof are inhibitors of phosphodiesterase o type 1OA and to their use for the manufacture of a medicament and which thus are suitable for treating or controlling of medical disorders selected from neurological disorders and psychiatric disorders, for ameliorating the symptoms associated with such disorders and for reducing the risk of such disorders.

No. of Pages: 85 No. of Claims: 30

(21) Application No.1382/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :23/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: MOTORCYCLE

(31) Priority Document No :2017	Address of Applicant :1-1, Minami-Aoyama 2-chome, Minato- 08/2013 ku, Tokyo 107-8556, JAPAN (72)Name of Inventor: 1)TAKAMASA IGUCHI 2)YUTA ISHIZAKA
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(57) Abstract:

[Problem] To enable, in a motorcycle where a pillion step is mounted on a step holder, a brake pedal is rotatably supported on the step holder by means of a pedal shaft, and a brake switch for detecting an operation of a brake pedal is mounted on the step holder, the arrangement of a brake switch with improved design of a motorcycle while avoiding large-sizing of parts and the increase of the number of parts. [Means for Resolution] A step holder 49 includes a support portion 49a which is fixed to a pivot frame 17, and a longitudinally extending portion 49b which extends rearward in the longitudinal direction of a vehicle from the support portion 49a as integral parts thereof. The brake pedal 54 is formed to have a vertical arm portion 54d extending vertically such that at least an upper end portion of the vertical arm portion 54d is arranged on a back side of the longitudinally extending portion 49b, and an upper end portion of the vertical arm portion 54d is connected to a brake switch 84 which extends in an elongated manner in the longitudinal direction of the longitudinally extending portion 49b and is supported on a back surface of the longitudinally extending portion 49b.

No. of Pages: 48 No. of Claims: 6

(21) Application No.259/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :12/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: REFRIGERATED SALES CABINET

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application 	:A47F3/04,F25D21/14 :NA :NA :NA :PCT/EP2012/065067 :01/08/2012 :WO 2014/019621 :NA	(71)Name of Applicant: 1)CARRIER CORPORATION Address of Applicant: One Carrier Place Farmington Connecticut 06034 U.S.A. (72)Name of Inventor: 1)NUGROHO Sri 2)SCHU Markus
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A refrigerating cabinet (1) comprises at least one goods presentation and air circulation space (2) a refrigeration cycle for cooling the at least one goods presentation and air circulation space (2) and at least one drain conduit (36; 42) configured for draining condensed water which is produced when the refrigeration circuit is operating from the at least one goods presentation and air circulation space (2). At least a portion of the at least one drain conduit (36; 42) is filled with a granulate material (34) or provided with a movable flap (48) allowing water to pass through the drain conduit (36; 42) and blocking air from passing through the drain conduit (36; 42).

No. of Pages: 21 No. of Claims: 19

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: STEEL FOR NITROCARBURIZING AND NITROCARBURIZED COMPONENT AND METHODS FOR PRODUCING SAID STEEL FOR NITROCARBURIZING AND SAID NITROCARBURIZED COMPONENT

(51) International classification (31) Priority Document No	:C22C38/00,C21D1/06,C21D8/06 :2012166302	(71)Name of Applicant: 1)JFE STEEL CORPORATION
(32) Priority Date	:26/07/2012	Address of Applicant :2 3 Uchisaiwai cho 2 chome Chiyoda
(33) Name of priority country	:Japan	ku Tokyo 1000011 Japan
(86) International Application No Filing Date (87) International Publication No	:PCT/JP2013/004459 :22/07/2013 :WO 2014/017074	2)JFE BARS & SHAPES CORPORATION (72)Name of Inventor: 1)OMORI Yasuhiro 2)UWAI Kiyoshi 3)MITAO Shinji
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application	:NA :NA	4)IWAMOTO Takashi 5)ANDO Keisuke 6)TOMITA Kunikazu
Number Filing Date	:NA :NA	

(57) Abstract:

Provided is a steel for nitrocarburizing of which the composition is so adjusted as to comprise in mass% 0.01% or more and less than 0.10% of C 1.0% or less of Si 0.5 to 3.0% of Mn 0.02% or less of P 0.06% or less of S 0.3 to 3.0% of Cr 0.005 to 0.4% of Mo 0.02 to 0.5% of V 0.003 to 0.15% of Nb 0.005 to 0.2% of Al 0.0005 to 0.02% of Sb and a remainder made up by Fe and incidental impurities and in which the area ratio of a bainite phase makes up more than 50% of the whole area of the structure of the steel. The steel exhibits excellent machine processing properties before the nitrocarburization of the steel exhibits excellent fatigue properties after the nitrocarburization of the steel and can be used suitably for mechanical structure parts for automobiles and the like.

No. of Pages: 25 No. of Claims: 5

(21) Application No.340/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: SHOULDER SPACER KEY FOR INSULATED GLAZING UNITS

(32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number (32) Priority Date (27/06/2012 (U.S.A. (72) Name of Inventor: 1) SNYKER Mark O. 2) GREER Bryan D. 3) MESSERE Rino 4) BJORNARD Erik 5) KORUS Jerome 6) ANGLEMIER, ROBERT	
(62) Divisional to Application Number :NA Filing Date :NA 6)ANGLEMIER, ROBERT	

(57) Abstract:

An insulative separation element (110) bridges first and second conductive spacer ends (107) of a spacer frame (110,105A, and 105B) of an active or insulated glazing unit (100). The insulative separation element (110) includes first and second outer sections (140) dimensioned for placement into the first and second conductive spacer ends (107). The insulative separation element (110) includes an intermediate section (145) connecting the first and second outer sections (140). The intermediate section (145) has opposing first and second faces dimensioned for abutment with and insulative separation of the first and second spacer ends (107), respectively.

No. of Pages: 45 No. of Claims: 29

(21) Application No.218/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :09/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention : MAGNETIZING INRUSH CURRENT SUPPRESSION DEVICE AND SUPPRESSION METHOD THEREFOR

(51) International

:H02H7/045,H01F27/34,H01H9/54

classification

:2012160483

(31) Priority Document No(32) Priority Date

:19/07/2012

(33) Name of priority country(86) International Application

:Japan

No

:PCT/JP2013/069635

Filing Date

:19/07/2013

(87) International Publication

:WO 2014/014081

:NA

:NA

:NA

No

(61) Patent of Addition to
Application Number :NA

Filing Date

(62) Divisional to Application Number

Filing Date

(71) Name of Applicant:

1)KABUSHIKI KAISHA TOSHIBA

Address of Applicant : 1 1 Shibaura 1 chome Minato ku Tokyo

1058001 Japan

(72)Name of Inventor:

1)KAWASAKI Kei

2)KOSHIZUKA Tadashi

3)MARUYAMA Shiro

4)SAITO Minoru

5)NAGAYAMA Noriyuki

(57) Abstract:

This magnetizing inrush current suppression unit (6) measures respective phase voltages of single phase alternating current side buses by means of a bus voltage measurement unit (601) and single phase side voltages of a transformer by means of a transformer voltage measurement unit (603). With a phase detection unit (605) the magnetizing inrush current suppression unit (6) detects a shutoff phase that is a phase detected when a switch (2) is shut off by being opened from the respective phase voltages which are measured by the bus voltage measurement unit (601) and the single phase side voltages which are measured by the transformer voltage measurement unit (603) retains the shutoff phase and obtains a phase which is identical to the retained shutoff phase. Through a close command output unit (606) the magnetizing inrush current suppression unit (6) closes the switch (2) on the single phase alternating current side at a voltage phase identical to the phase obtained by the phase detection unit (605).

No. of Pages: 87 No. of Claims: 39

(19) INDIA

(22) Date of filing of Application :12/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention : DIALYSIS APPARATUS WITH VERSATILE USER INTERFACE AND METHOD AND COMPUTER PROGRAM THEREFOR

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:27/08/2013 :WO 2014/033119 :NA :NA	(71)Name of Applicant: 1)GAMBRO LUNDIA AB Address of Applicant: P.O. Box 10101 SE 220 10 Lund Sweden (72)Name of Inventor: 1)STENQUIST Anita
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

An apparatus for performing a plurality of operation steps of a dialysis process is disclosed. The apparatus comprises a process controller for controlling the apparatus to perform the operation steps of the dialysis process, monitor process progress of the dialysis process and monitor sensor inputs of sensors of the apparatus; and a user interface, comprising a display, an input device and a user interface, UI, controller, wherein the UI controller is connected to enable presentation of graphical data on the display, and wherein the UI controller is connected to enable user interaction with the graphical data and connected to exchange information o with the process controller, wherein the information is based on the user interaction of the user interface and monitoring of process progress of the dialysis process and sensor inputs of sensors of the apparatus by the process controller. Each of the operation steps are classified as one of a sequential operation step, which is dependent on completion of another operation step, and a non-sequen - o tial operation step, which is independent of completion of another operation step. The UI controller is configured to represent each of the operation steps by an operation step item which is a graphical item suitable to be presented on said display. The UI controller o is configured to dynamically, for each of the operation steps, control enabling and disabling of interaction with the corresponding operation step items based on a state of respective operation step, wherein a completed state is assigned to each operation step that is completed, a noncompleted state is assigned to each operation step that is non-completed, a selectable state is assigned to each operation step item of an operation step that is non-sequential and each operation step item of an operation step that is sequential but only in relation to a completed operation step, and a non-selectable state is assigned to each operation step item of an operation step that is se quential in relation to a non-completed operation step. A method and computer program are also disclosed.

No. of Pages: 62 No. of Claims: 46

(21) Application No.344/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 14/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: NANOCONSTRUCTS WITH PHARMACOLOGICAL ACTIVITY

(51) International

:A61K47/48,A61K49/18,A61P29/00

classification (31) Priority Document No

:RM2012A000350

(32) Priority Date

:19/07/2012

(33) Name of priority country: Italy (86) International

:PCT/IB2013/055943

Application No

:19/07/2013

Filing Date

(87) International Publication :WO 2014/013473

(61) Patent of Addition to

Application Number Filing Date

:NA :NA

(62) Divisional to **Application Number** :NA :NA

Filing Date

(71)Name of Applicant:

1)UNIVERSITA DEGLI STUDI DI MILANO BICOCCA

Address of Applicant: Piazza dell'Ateneo Nuovo 1 I 20126

Milano MI Italy

2)UNIVERSITA DEGLI STUDI DI MILANO

(72)Name of Inventor:

1)GRANUCCI Francesca

2)PROSPERI Davide

3)ZANONI Ivan

4)CORSI Fabio Ruggero Maria

5)COLOMBO Miriam

(57) Abstract:

The present invention relates to methods and means of transport of active substances in the cell cytosol. In particular the invention relates to means that make it possible to transport directly in the cytosol substances capable of interacting with protein systems such as the family of nuclear factors of activated T cells (NFATs) or nucleic acids localized in the cytosol. In particular the invention relates to nanoconstructs useful in the treatment of inflammatory diseases methods for their preparation and compositions containing them.

No. of Pages: 39 No. of Claims: 32

(21) Application No.297/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: ADJUSTABLE VEHICLE ARMREST AND TAMBOUR DOOR

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:B60N2/46 :61/671376 :13/07/2012 :U.S.A. :PCT/US2013/050320 :12/07/2013 :WO 2014/012021 :NA :NA :NA	(71)Name of Applicant: 1)JOHNSON CONTROLS TECHNOLOGY COMPANY Address of Applicant:915 East 32nd Street Holland Michigan 49423 U.S.A. (72)Name of Inventor: 1)BOZIO Ronald A. 2)HANSEN Scott A. 3)FLOWERDAY Craig D. 4)HIPSHIER Jason M.
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(57) Abstract:

A vehicle armrest is designed to allow for sliding movement between retracted and extended positions as desired by the vehicle occupant. A tambour door is disposed over at least part of the armrest and may be moved fore and aft to allow access to storage volumes within the armrest or a support structure. The armrest is supported by sliding structures such as engaged rails and the tambour door is supported by tracks one of which is fixed or stationary and the other of which moves with the armrest. In this manner the tambour door may be fully supported as it moves fore and aft whether the armrest is in the retracted or extended position.

No. of Pages: 21 No. of Claims: 20

(21) Application No.307/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: MOUTHWASH COMPRISING PEROXY COMPOUND A FIRST ACID AND A SECOND ACID

(51) International :A61K8/24,A61K8/362,A61K8/365 classification

(31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country: NA

(86) International Application :PCT/US2012/050269

:10/08/2012 Filing Date

(87) International Publication :WO 2014/025355

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

(71)Name of Applicant:

1) COLGATE PALMOLIVE COMPANY

Address of Applicant :300 Park Avenue New York New York

10022 U.S.A.

(72) Name of Inventor:

1)SIMON Eric 2)FRUGE Linh 3)KOHRS Karsten 4)PILCH Shira

The invention provides mouthwash formulations having improved taste coupled with good whitening efficacy which comprise a whitening agent such as hydrogen peroxide together with a combination of a first acid such as citric acid and a second acid such as phosphoric acid. In further embodiments the mouthwashes may comprise a sucralose and saccharin combination an acidic polymer one or more anticalculus agents e.g. alkali pyrophosphate salts copolymers of maleic anhydride and methyl vinyl ether and other ingredients.

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

(21) Application No.326/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention : BRIDGE INTELLIGENT ELECTRONIC DEVICE OF ROUTING MESSAGES BETWEEN SUB NETWORKS

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country(86) International ApplicationNo	:H04L12/46,H02H7/26,H04B3/54 :12005218.8 :16/07/2012 :EPO :PCT/EP2013/001766 :14/06/2013	(71)Name of Applicant: 1)ABB TECHNOLOGY AG Address of Applicant: Affolternstrasse 44 CH 8050 Z ¹ / ₄ rich Switzerland (72)Name of Inventor: 1)BKER Horst
Filing Date (87) International Publication No	:WO 2014/012612	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The invention refers to a Bridge-Intelligent Electronic Device (1ED) SCADA to route IEC61850 GOOSE messages between subnetworks (SN_1, SN_2... SN), wherein the Bridge-Intelligent Electronic Device (1ED) comprises a function ality for signal mapping and more than one Bridge-IED communication interfaces (CI-1, CI-2...Cl-n), wherein each one of said communication interface (CI-1, CI-2... Cl-n) is de signed as an Intelligent Electronic Device (1ED) with its own CID-, Configured 1ED Description, file according IEC 61850 re quirement.

No. of Pages: 11 No. of Claims: 9

(21) Application No.336/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 14/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: SYSTEM AND METHOD FOR DETECTING USED AND DRIED SENSORS

:A61B5/145,A61B5/1486 (71)Name of Applicant : (51) International classification

:NA

(31) Priority Document No :61/676549 (32) Priority Date :27/07/2012 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2012/053390

Filing Date :31/08/2012

(87) International Publication No :WO 2014/018069

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA

1)BAYER HEALTHCARE LLC

Address of Applicant :100 Bayer Boulevard MS 100/5/6

Whippany NJ 07981 0915 U.S.A.

(72)Name of Inventor: 1)HARRISON Bern

(57) Abstract:

Filing Date

Systems and methods for detecting dried test strips are provided where a dried test strip may be one that has been re inoculated with a biological sample after having already been previously inoculated with another sample at an earlier time (e.g. hours or days before). In various aspects a biosensor such as an amperometric glucose biosensor (meter) (200) may apply one or more input electrical signals to an inoculated test strip (100) having at least a pair of electrodes (102,104) in contact with the biological sample. The meter (200) may measure output current value (s) resulting in response to the input electrical signals applied to the test strip (100). The meter (200) may determine whether the test strip is a dried test strip by comparing a ratio of the measured output current value (s) with a boundary ratio value.

No. of Pages: 39 No. of Claims: 15

(21) Application No.346/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 14/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: SIDE AIRBAG DEVICE FOR VEHICLE

(51) International :B60R21/2338,B60R21/207,B60R21/2346 classification

(31) Priority Document :2012160476

:19/07/2012 (32) Priority Date

(33) Name of priority

country

(86) International

:PCT/JP2013/066396 Application No :13/06/2013

:Japan

Filing Date

(87) International :WO 2014/013822 Publication No

(61) Patent of Addition :NA to Application Number :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)TOYOTA JIDOSHA KABUSHIKI KAISHA

Address of Applicant: 1 Toyota cho Toyota shi Aichi 4718571

Japan

(72) Name of Inventor:

1)FUJIWARA Yusuke

(57) Abstract:

A side airbag device for a vehicle is configured so as to prevent the presence of a seated occupant s upper arm between the side airbag and the chest and so as to improve the restraining performance of the side airbag. The side airbag (20) of a side airbag device (10) for a vehicle is configured in such a manner that a front bag section (36) and a rear bag section (38) are divided by a longitudinal partition section (32). A front extension section (38A) which is provided to the upper part of the rear bag section (38) and which restrains an occupant s shoulder (S) is separated from the front bag section (36) by an upper partition section (34) extending forward and obliquely upward of a seat back (14) from the upper end of the longitudinal partition section (32). When an inflator (22) is activated the rear bag section (38) is inflated and expanded early and gas within the rear bag section (38) is supplied into the front bag section (36) through a connection opening provided in the longitudinal partition section (32). This enables the front bag section (36) to push up an occupant s upper arm (A) and enables the rear bag section (38) which has been inflated and expanded early to restrain the chest (C) an area behind the stomach (B) and the shoulder (S) early.

No. of Pages: 36 No. of Claims: 11

(19) INDIA

(22) Date of filing of Application :12/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention : MICROMAGNETOMETRY DETECTION SYSTEM AND METHOD FOR DETECTING MAGNETIC SIGNATURES OF MAGNETIC MATERIALS.

		(71)Name of Applicant :
(51) International classification	:G01R33/12	1)UNIVERSITE DE MONTPELLIER
(31) Priority Document No	:12305852.1	Address of Applicant :163 rue Auguste Broussonnet F 34000
(32) Priority Date	:13/07/2012	Montpellier France
(33) Name of priority country	:EPO	2)CENTRE NATIONAL DE LA RECHERCHE
(86) International Application No	:PCT/EP2013/064775	SCIENTIFIQUE (C.N.R.S)
Filing Date	:12/07/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/009516	1)TERKI Frial
(61) Patent of Addition to Application	:NA	2)BOUSSEKSOU Azzedine
Number	:NA	3)TRAN Quang Hung
Filing Date	.IVA	4)KAMARA Souleymane
(62) Divisional to Application Number	:NA	5)KIM CheolGi
Filing Date	:NA	6)KIM Kun Woo
-		7)GANDIT Philippe

(57) Abstract:

A micromagnetometry system for detecting the presence of very small quantities of magnetic particles comprises a first magnetic hybrid AMR/PHR multi ring sensor (4) using a Wheastone bridge electrical configuration a first current source (6) a first voltage measurement device (8) a set of at least one magnetic particles (12) deposited on the first magnetic sensor (4) and a processing unit (22) for detecting from a set of different measured differential voltages a magnetic flux shift representative of the presence of a least one deposited magnetic particle (12). The micromagnetometry system comprises means (20) for creating a magnetic excitation field H to make produce by each motionless magnetic particle (12) a stray magnetic field oscillating along the time at a constant frequency w ranging from 10 Hz to 3 KHz.

No. of Pages: 55 No. of Claims: 17

(21) Application No.277/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: MULTI STAGE CIRCULATING FLUIDIZED BED SYNGAS COOLING

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:B01J8/28 :61/693707 :27/08/2012 :U.S.A. :PCT/US2013/056631 :26/08/2013 :WO 2014/035887 :NA :NA	(71)Name of Applicant: 1)SOUTHERN COMPANY Address of Applicant:600 North 18th Street Bin 7N 8374 Birmingham AL 35203 2206 U.S.A. (72)Name of Inventor: 1)LIU Guohai 2)VIMALCHAND Pannalal 3)GUAN Xiaofeng 4)PENG WanWang
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(57) Abstract:

A method and apparatus for cooling hot gas streams in the temperature range 800°C to 1600°C using multi stage circulating fluid bed (CFB) coolers is disclosed. The invention relates to cooling the hot syngas from coal gasifiers in which the hot syngas entrains substances that 5 foul erode and corrode heat transfer surfaces upon contact in conventional coolers. The hot syngas is cooled by extracting and indirectly transferring heat to heat transfer surfaces with circulating inert solid particles in CFB syngas coolers.

No. of Pages: 33 No. of Claims: 26

(21) Application No.294/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :13/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: EXHAUST GAS TURBOCHARGER

(31) Priority Document No (32) Priority Date	:F02B37/18,F02B39/00,F02C6/12 :102012012496.1 :21/06/2012	 (71)Name of Applicant: 1)BORGWARNER INC. Address of Applicant: Patent Department 3850 Hamlin Road
(33) Name of priority country	:Germany	Auburn Hills MI 48326 U.S.A.
(86) International Application No Filing Date	:PCT/US2013/045784 :14/06/2013	(72)Name of Inventor: 1)TSCHIRSCHKE Juergen
(87) International Publication No	:WO 2013/192029	
(61) Patent of Addition toApplication NumberFiling Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

The invention relates to an exhaust gas turbocharger (1) comprising a turbine housing (2) which has a turbine housing inlet (8) and a turbine housing outlet (9) for exhaust gas and which has a wastegate duct (19) between the turbine housing inlet (8) and the turbine housing outlet (9) and a flap arrangement (10) having a pivotable flap plate for opening and closing the wastegate duct (19) wherein the flap plate is in the form of an elastic spring disk (11).

No. of Pages: 14 No. of Claims: 10

(21) Application No.303/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: METHODS AND FUEL PROCESSING APPARATUSES FOR UPGRADING A PYROLYSIS OIL STREAM AND A HYDROCARBON STREAM

(51) International :C10G3/00,C10G11/00,C10G11/18

classification (31) Priority Document No :13/563172

(32) Priority Date :31/07/2012 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2013/040879

No :14/05/2013 Filing Date

(87) International Publication :WO 2014/021975

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number

:NA Filing Date

(71)Name of Applicant:

1)UOP LLC

Address of Applicant :25 East Algonquin Road P.O. Box 5017

Des Plaines Illinois 60017 5017 U.S.A.

(72) Name of Inventor:

1)BAIRD Lance Awender

2)PALMAS Paolo

3)KULPRATHIPANJA Sathit

(57) Abstract:

Methods and apparatuses for upgrading a pyrolysis oil stream and a hydrocarbon stream are provided herein. In an embodiment a method for upgrading a pyrolysis oil stream and a hydrocarbon stream includes separately introducing the pyrolysis oil stream and the hydrocarbon stream into a reaction zone to form a mixture of the pyrolysis oil stream and the hydrocarbon stream in the reaction zone. The mixture of the pyrolysis oil stream and the hydrocarbon stream is catalytically cracked in the presence of a particulate cracking catalyst in the reaction zone. The pyrolysis oil stream is maintained at a temperature of less than or equal to 100 °C substantially up to introduction into the reaction zone.

No. of Pages: 19 No. of Claims: 10

(21) Application No.352/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: GAS PURIFICATION METHOD

:B01D47/05,B01D53/14 (71)Name of Applicant : (51) International classification (31) Priority Document No :2012124943 1)KHAMIDULLIN Rafik Nailovich (32) Priority Date Address of Applicant :ul. Chingiza Aitmatova 7 147 Kazan :15/06/2012 (33) Name of priority country :Russia 420140 Russia (86) International Application No :PCT/RU2013/000459 (72) Name of Inventor: Filing Date :05/06/2013 1)KHAMIDULLIN Rafik Nailovich (87) International Publication No :WO 2013/187802 (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

The invention relates to methods for conducting heat mass exchange processes for conditioning and drying air and for removing impurities from gases and can be used in air conditioning systems in the sanitary purification of gaseous emissions and in preparing natural or associated petroleum gases prior to use. The gas purification method includes cooling a gas flow forming a condensate and removing said condensate together with absorbed gaseous and mechanical impurities. As a cold heat carrier coming into direct contact with the gas flow previously formed condensate from the gas flow undergoing purification is used after being cooled to a temperature lower than the dew point of the gas flow. Prior to the interaction of the gas to be separated and the cooled condensate a portion of the previously formed condensate uncooled is introduced for the purpose of saturating the gaseous phase with vapor resulting in an increased amount of condensate on the liquid or solid particles. Gas purification is carried out in multiple stages in order to separate off a distinct component or group of components of the gaseous phase at each stage. Technical result: the effective and reliable removal of impurities from gases and a reduction in the material content of the equipment.

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

(21) Application No.232/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :10/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: DEVICE FOR DELIVERING A LIQUID ADDITIVE

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:10 2012 108 272.3	1)EMITEC GESELLSCHAFT FR
(32) Priority Date	:06/09/2012	EMISSIONSTECHNOLOGIE MBH
(33) Name of priority country	:Germany	Address of Applicant :Hauptstrae 128 53797 Lohmar
(86) International Application No	:PCT/EP2013/067126	Germany
Filing Date	:16/08/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/037209	1)MAGUIN Georges
(61) Patent of Addition to Application	:NA	2)DIOUF Cheikh
Number	:NA	3)FREDERIKSEN Finn
Filing Date	:INA	4)SCHEPERS Sven
(62) Divisional to Application Number	:NA	5)HODGSON Jan
Filing Date	:NA	

(57) Abstract:

The invention relates to a device (1) for delivering a liquid additive having an additive delivery unit (2) and having an electronic unit (3) wherein the additive delivery unit (2) has at least one hydraulic component (4) for delivering the liquid additive wherein all of the electrical connections (5) of the at least one hydraulic component (4) are brought together in a first plug connector (6) on the additive delivery unit (2) and wherein the electronic unit (3) has a second plug connector (7) which can be connected to the first plug connector (6) wherein the first plug connector (6) and the second plug connector (7) are connected to one another and form a plug connection (8) when the electronic unit (3) and the additive delivery unit (2) are connected to one another.

No. of Pages: 25 No. of Claims: 9

(21) Application No.286/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: A MANUFACTURING SYSTEM FOR PROCESSING A WEB

(51) International :B65H20/00,B65H20/16,B65H20/30 classification

(31) Priority Document No :PA 2012 00466 (32) Priority Date :20/07/2012

(33) Name of priority country:Denmark

(86) International :PCT/DK2013/050225

Application No :05/07/2013 Filing Date

(87) International Publication :WO 2014/012550

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA

Filing Date

(71) Name of Applicant: 1)COLOPLAST A/S

Address of Applicant: Holtedam 1 DK 3050 Humlebaek

Denmark

(72) Name of Inventor: 1)LARSEN Poul Henrik

(57) Abstract:

The invention provides a manufacturing system for processing a web the system comprising a rigid frame with a plurality of processing stations; an endless belt which is movable relative to the frame; a track for guiding the endless belt between the processing stations; and a drive structure for advancing the belt along the track To enable more flexible processing time at each processing station and to make better use of the space along the track the system facilitates movement of a web at different speed at different locations along the track.

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

(21) Application No.295/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: METHOD FOR TURBINE WHEEL BALANCE STOCK REMOVAL

(51) International classification: F02B39/00,F02B39/16,F02C6/12 (71) Name of Applicant: :61/667174 (31) Priority Document No (32) Priority Date :02/07/2012 (33) Name of priority country :U.S.A.

(86) International Application

:PCT/US2013/048417 No :28/06/2013 Filing Date

(87) International Publication :WO 2014/008117

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)BORGWARNER INC.

Address of Applicant: Patent Department 3850 Hamlin Road

Auburn Hills Michigan 48326 U.S.A.

(72)Name of Inventor: 1)TAKABATAKE Lauro 2)PAULINO Reinaldo

(57) Abstract:

A turbine wheel (10) for a turbocharger includes a hub (12) extending in an axial direction between a nose (14) and a back wall (22). The hub (12) defines an axis of rotation (28) extending in the axial direction and the back wall (22) includes a peripheral edge (20). A plurality of turbine blades (26) is coupled to the hub (12) and is disposed in a circumferential direction generally at equal intervals around the axis of rotation (28). At least one scallop (44,48) is formed in the peripheral edge (20) of the back wall (22) for balancing the turbine wheel (10). The at least one scallop (44,48) is positioned along the peripheral edge (20) such that the peripheral edge (20) is not symmetrical in the circumferential direction about the axis of rotation (28).

No. of Pages: 20 No. of Claims: 16

(21) Application No.304/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: OPTICALLY VARIABLE COLOUR IMAGE

:NA

:NA

(51) International classification	:G02B3/00,B41M3/14,B42D15/00	(71)Name of Applicant:
(31) Priority Document No	:2012100985	1)INNOVIA SECURITY PTY LTD
(32) Priority Date	:29/06/2012	Address of Applicant :Potter Street Craigieburn Victoria 3064
(33) Name of priority country	:Australia	Australia
(86) International Application	:PCT/AU2013/000701	(72)Name of Inventor:
No	:28/06/2013	1)JOLIC Karlo Ivan
Filing Date	.28/00/2013	
(87) International Publication	:WO 2014/000044	
No	. W O 2014/000044	
(61) Patent of Addition to	:NA	
Application Number	:NA	
E'1' D. (.INA	

(57) Abstract:

Number

Filing Date

Filing Date

(62) Divisional to Application

A security element including: a plurality of focusing elements a plurality of image regions where each image region is associated with a focusing element each image region is printed with at least two layers the first layer is offset by a first predetermined amount from a reference axis in the image region the second layer is offset by a second predetermined amount from a reference axis in the image region each layer being in different colours and each image region includes at least a first and second sub region wherein a first image is formed in a first range of viewing angles from the first sub region and a second image is formed in a second range of viewing angles from the second sub region.

No. of Pages: 53 No. of Claims: 67

(21) Application No.353/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: FREEZE INDICATOR EMPLOYING LIGHT SCATTERING AND METHOD OF MAKING SAME

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:G01K11/12 :61/683805 :16/08/2012 :U.S.A. :PCT/US2013/055364 :16/08/2013 :WO 2014/028849 :NA :NA :NA	(71)Name of Applicant: 1)TEMPTIME CORPORATION Address of Applicant:116 American Road Morris Plains NJ 07950 U.S.A. (72)Name of Inventor: 1)SMITH Dawn E. 2)HUFFMAN Brian S. 3)TAYLOR Dene H.
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(57) Abstract:

A freeze indicator including an indicator dispersion is described herein. Such an indicator dispersion can include: a liquid medium and particles of a colored indicator agent dispersed in the liquid medium. The colored indicator agent particles having an inherent color; wherein the indicator dispersion exhibits the inherent color of the colored indicator agent particles after freezing and is configured to have a less colored appearance before freezing and wherein light scattering masks the inherent color of the colored indicator agent particles before freezing. Some indicator dispersions can be free of color changing chemical co reactants. These freeze indicators can be small have a low cost and have a simple configuration.

No. of Pages: 38 No. of Claims: 36

(22) Date of filing of Application :27/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: PERIPHERAL STRUCTURE OF FENDER HOLDER

(51) International classification	:H01M2/10	(71)Name of Applicant :
(31) Priority Document No	:2013- 138903	1)SUZUKI MOTOR CORPORATION Address of Applicant :300, Takatsuka-cho, Minami-ku,
(32) Priority Date	:02/07/2013	Hamamatsu-shi, Shizuoka-ken, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)USUDA, Yoshitaka
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:

[Problem to be Solved] To provide a peripheral structure of a fender holder that is configured to be compact while securing positional accuracy of a fender, and the like. [Solution] In the peripheral structure of the fender holder, a headlamp 5 and a bumper 6 are arranged on the vehicle front side of a fender holder 1 arranged above a side frame 3, and a fender 2 is arranged on the outer side of the fender holder 1. The side frame 3 is provided with an inclined section 4, which is inclined downward toward the front side. The fender holder 1 is provided with a first section 11 formed along the inclination of the inclined section 4, a second section 12 formed to extend from the rear portion of the first section 11 to the front side, and a third section 13 formed to extend from the front portion of the first section 11 to the front portion of the second section 12 and the third section 13.

No. of Pages: 33 No. of Claims: 7

(21) Application No.174/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :08/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: WET FLUE GAS DESULFURIZATION EQUIPMENT

(51) International :B01D53/50,B01D53/18,B01D53/77

classification

(31) Priority Document No :13/561386 (32) Priority Date :30/07/2012 (33) Name of priority country:U.S.A.

(86) International :PCT/JP2013/068845

Application No :10/07/2013

Filing Date

(87) International Publication :WO 2014/021068

(61) Patent of Addition to :NA **Application Number**

:NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)MITSUBISHI HITACHI POWER SYSTEMS LTD.

Address of Applicant: 3 1 Minatomirai 3 Chome NIshi ku

Yokohama shi Kanagawa 2208401 Japan

(72)Name of Inventor: 1)ITO Motofumi

(57) Abstract:

Wet flue gas desulfurization equipment provided with: an absorption tower for desulfurizing exhaust gas therein by bringing the same into contact with an absorbing liquid; a spraying mechanism for spraying the absorbing liquid inside the absorption tower; an oxidation mechanism for supplying oxygen to absorbing liquid accumulating in the bottom of the absorption tower; a circulation mechanism for delivering the absorbing liquid to the spraying mechanism from an outlet formed in the bottom of the absorption tower; and a liquid jetting mechanism having a hydraulic nozzle for jetting the liquid into the interior of the absorption tower. The oxidation mechanism is disposed at a distance from the outlet of the absorption tower in the horizontal direction and the hydraulic nozzle is installed on the bottom of the absorption tower and is disposed between the oxidation mechanism and the outlet of the absorption

No. of Pages: 22 No. of Claims: 4

(21) Application No.314/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: PROCESS FOR PREPARING OBJECTS MADE OF BIOCOMPATIBLE HYDROGEL FOR USES THEREOF IN THE MEDICAL FIELD AND MORE PARTICULARLY IN OPHTHALMOLOGY

:C08F6/00,C08F6/06,A61F2/14 (71)Name of Applicant : (51) International classification (31) Priority Document No :12 55631 1)LAROCHE Laurent (32) Priority Date :15/06/2012 Address of Applicant :114 Boulevard Raspail F 75006 Paris (33) Name of priority country :France (86) International Application No :PCT/IB2013/054874 (72) Name of Inventor: Filing Date :14/06/2013 1)LAROCHE Laurent (87) International Publication No :WO 2013/186747 (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 a process for manufacturing an object made of biocompatible hydrogel by moulding a polymeric solution in a mould made of a particular material wherein said process comprises the following steps: (i) preparing a polymeric solution by dissolving a copolymer of acrylonitrile and of an olefinically unsaturated comonomer bearing anionic groups in an aprotic solvent optionally in the presence of a non solvent (ii) forming and beginning the gelling of the polymeric solution obtained at the end of step (i) in a mould consisting of a material containing said non solvent or of a material permeable to said non solvent (iii) immersing the object undergoing gelling resulting from step (ii) in a non solvent. The present invention also relates to the objects made of biocompatible hydrogel which result from this process such as for example intracorneal lenses (or lenticules) implantable in the cornea or any other implants usable in ophthalmology.

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

(22) Date of filing of Application :06/12/2013 (43) Publication Date : 12/06/2015

(54) Title of the invention: STRUCTURE OF PLASTIC LAMINATED PACKAGING BOARD

(51) International classification(31) Priority Document No(32) Priority Date(33) Name of priority country	:B32B :NA :NA :NA	(71)Name of Applicant: 1)Lin-Lang CHAN Address of Applicant: No. 108, Shu-Chia Rd., Taichung City, Taiwan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Lin-Lang CHAN
(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:

Disclosed is a structure of a plastic laminated packaging board, and particularly, an improved design of a structure of a light-weighted plastic laminated board for packaging purposes, in which a general packaging board is made of a plastic polypropylene composite material by being subjected to a continuous shaping machine to have an upper top sheet and a lower bottom sheet and a central sheet having a unique plastic hollow troughed surface configuration of a board like assembly that is made with a unique lamination rolling and pressing operation laminated in layers with bonding surfaces of the lamination being subjected to surface layer softening or heating or being coated with an adhesive layer to achieve a configuration where the upper, central, and lower sheets are arranged in a multiple-layer lamination like hollow combination, thereby providing a laminated board featuring lightweight, damp resistance, and safe and cushioning packaging.

No. of Pages: 16 No. of Claims: 9

(22) Date of filing of Application :13/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: GASIFICATION OF HIGH ASH HIGH ASH FUSION TEMPERATURE BITUMINOUS COALS

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:C10J3/54 :61/669451 :09/07/2012 :U.S.A. :PCT/US2013/049566 :08/07/2013 :WO 2014/011541 :NA :NA	(71)Name of Applicant: 1)SOUTHERN COMPANY Address of Applicant:600 North 18th Street Bin 7n 8374 Birmingham AL 35203 2206 U.S.A. (72)Name of Inventor: 1)LIU Guohai 2)VIMALCHAND Pannalal 3)PENG Wanwang
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(57) Abstract:

This invention relates to gasification of high ash bituminous coals that have high ash fusion temperatures. The ash content can be in 15 to 45 weight percent range and ash fusion temperatures can be in 1150°C to 1500°C range as well as in excess of 1500°C. In a preferred embodiment such coals are dealt with a two stage gasification process a relatively low temperature primary gasification step in a circulating fluidized bed transport gasifier followed by a high temperature partial oxidation step of residual char carbon and small quantities of tar. The system to process such coals further includes an internally circulating fluidized bed to effectively cool the high temperature syngas with the aid of an inert media and without the syngas contacting the heat transfer surfaces.

No. of Pages: 31 No. of Claims: 37

(21) Application No.287/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :13/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: REGULATING UTERINE MUSCULAR ACTIVITY

(57) Abstract:

A method and system for regulating uterine muscular activity includes measuring uterine contraction with an electrical uterine monitor (EUM) and using sensed measurements of the uterine contraction to regulate uterine muscular activity by comparing the sensed measurements to a desired level. The difference between the sensed and desired levels is used to calculate the level of either manual or automatic application of drugs or electrical signals.

No. of Pages: 15 No. of Claims: 16

(21) Application No.305/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: HERBICIDAL COMPOSITION HAVING IMPROVED HERBICIDAL ACTIVITY

(51) International :A01N25/30,A01N43/56,A01P13/00

classification

(31) Priority Document No :2012147798 (32) Priority Date :29/06/2012 (33) Name of priority country: Japan

(86) International :PCT/JP2013/068307 Application No

:27/06/2013 Filing Date

(87) International Publication :WO 2014/003202

(61) Patent of Addition to

:NA **Application Number** :NA Filing Date

(62) Divisional to :NA Application Number :NA Filing Date

(71)Name of Applicant:

1)ISHIHARA SANGYO KAISHA LTD.

Address of Applicant: 3 15 Edobori 1 chome Nishi ku Osaka

shi Osaka 5500002 Japan (72)Name of Inventor: 1)KIKUGAWA Hiroshi

2)YAMADA Rvu 3)ENDO Mitsuru 4)SATAKE Yoshikazu

(57) Abstract:

In order to reduce the environmental load on an area where a herbicide is applied or a surrounding area thereof more o than ever, it has been required to improve activity of a herbicidal active ingredient and to reduce its dose as far as possible. A herbi - cidal composition comprising (1) a benzoylpyrazole compound represented by the formula (I) or its salt: wherein each of O, R R2, R3, R4, R5, R6 and A is as defined in the specification, and (2) at least one compound selected from the group consisting of a poly - oxyalkylene sorbitan fatty acid ester, a polyoxyalkylene fatty acid ester, a polyoxyalkylene styryl aryl ether, a polyoxyalkylene styryl aryl ether condensate and a polyoxyalkylene alkyl ether sulfate.

No. of Pages: 30 No. of Claims: 15

(21) Application No.334/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: SUBSTITUTED PYRIDINE AZOLOPYRIMIDINE 5 (6H) ONE COMPOUNDS

(51) International :C07D487/14,A61K31/519,A61P25/00

classification .C0/D48//14,A01K31/319,A01F23/0

(31) Priority Document No :61/661091 (32) Priority Date :18/06/2012 (33) Name of priority :U.S.A.

country

(86) International :PCT/US2013/046415

Application No
Filing Date

118/06/2013

(87) International :WO 2013/192229

Publication No
(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant :

1)DART NEUROSCIENCE (CAYMAN) LTD

Address of Applicant :10 Market Street #774 Camana Bay

Grand Cayman KY 1 9006 Cayman Island

(72)Name of Inventor:

1)ALLAN Amy

2)BRANSTETTER Bryan

3)DYCK Brian

4) WEINHOUSE Michael I.

5)GOMEZ Laurent 6)MARRONE Tami Jo

7)PETERS Marco

(57) Abstract:

Described herein are compounds and chemical entities of Formula I methods of their synthesis compositions comprising them and their use in treating numerous diseases and disorders including cognitive deficits associated with CNS diseases and disorders

No. of Pages: 204 No. of Claims: 54

(21) Application No.354/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention : METHOD AND APPARATUS FOR PRIVACY PROTECTED CLUSTERING OF USER INTEREST PROFILES

:H04L29/06,H04L29/08 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)ALCATEL LUCENT :12290234.9 (32) Priority Date Address of Applicant :148/152 route de la Reine F 92100 :16/07/2012 (33) Name of priority country Boulogne Billancourt France :EPO (86) International Application No (72) Name of Inventor: :PCT/EP2013/001958 Filing Date :03/07/2013 1)AGHASARYAN Armen (87) International Publication No :WO 2014/012627 2)BOUZID Makram (61) Patent of Addition to Application 3)KOTHARI Mohit :NA Number 4)NANDI Animesh :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

According to an implementation of the present subject matter apparatus and methods for privacy protected clustering of user interest profiles are described. The method includes generating at least one interest profile segment based on an interest profile of an end user (404). Further semantic terms corresponding to the at least one interest profile segment are obtained based on interaction with a semantic metadata database coupled to a user device of the end user (406) wherein the semantic terms are obtained from amongst one or more semantic terms provided in the semantic metadata database. Each of the at least one interest profile segment are subsequently transformed into at least one semantic representation (408). Further a cluster identifier is assigned to the at least one interest profile segment based on the at least one semantic representation wherein the cluster identifiers are generated using locality sensitive hashing (LSH) technique (410).

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

(22) Date of filing of Application :07/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: COPPER FILM FORMING AGENT AND METHOD FOR FORMING COPPER FILM

 (51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number 	:2012154124 :09/07/2012 :Japan :PCT/JP2013/065108 :30/05/2013 :WO 2014/010328 :NA :NA	(71)Name of Applicant: 1)SHIKOKU CHEMICALS CORPORATION Address of Applicant:8 537 1 Doki cho Higashi Marugame shi Kagawa 7638504 Japan (72)Name of Inventor: 1)IIDA Shusaku 2)MURAI Takayuki 3)HIRAO Hirohiko
Filing Date	:NA :NA	

(57) Abstract:

The present invention is a copper film forming agent containing a copper complex composed of methyl formate and a five or six membered nitrogen containing heterocyclic compound having one to three nitrogen atoms wherein the nitrogen containing heterocyclic compound has one or two ring structures the total number of carbon atoms contained in the substituent group is one to five and elements other than carbon atoms in the compound are not bonded to hydrogen atoms.

No. of Pages: 41 No. of Claims: 20

(21) Application No.191/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :23/01/2012 (43) Publication Date : 12/06/2015

(54) Title of the invention : NOVEL PROCESS FOR THE SYNTHESIS OF CARBONATE SALT OF CROSS-LINKED POLYALLYLAMINE POLYMER

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(51) International classification	:C07C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PANACEA BIOTEC LIMITED
(32) Priority Date	:NA	Address of Applicant :B-1, EXTN. A/27 MOHAN CO-
(33) Name of priority country	:NA	OPERATIVE, INDUSTRIAL ESTATE, MATHURA ROAD,
(86) International Application No	:NA	NEW DELHI-110044 India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	:NA	1)JAIN, RAJESH
(61) Patent of Addition to Application Number	:NA	2)SIRIPRAGADA, MAHENDER RAO
Filing Date	:NA	3)SINGH, JASPAL
(62) Divisional to Application Number	:NA	4)AHUJA, PARAMJEET SINGH
Filing Date	:NA	

#### (57) Abstract:

The present invention is related to the field of synthetic chemistry. The present invention specifically relates to a process for the preparation of a crosslinked polyallylamine polymer, specifically carbonate salt of amine polymers, preferably Poly(allylamine-co-N,N'-diallyl-l,3-diamino-2-hydroxypropane)carbonate, known by the common name sevelamer carbonate.

No. of Pages: 14 No. of Claims: 16

(22) Date of filing of Application :08/01/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: CODEC ARCHITECTURE FOR MULTIPLE LAYER VIDEO CODING

<ul> <li>(51) International classification</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>	:H04N7/26 :61/669356 :09/07/2012 :U.S.A. :PCT/US2013/049662 :09/07/2013 :WO 2014/011595 :NA :NA	(71)Name of Applicant:  1)VID SCALE INC. Address of Applicant:200 Bellevue Parkway Suite 300 Wilmington DE 19809 U.S.A. (72)Name of Inventor: 1)YE Yan 2)McCLELLAN George W. 3)HE Yong 4)XIU Xiaoyu 5)HE Yuwen 6)DONG Jie 7)BAL Can 8)RYU Eun
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#### (57) Abstract:

Systems methods and instrumentaliiies are provided to implement video coding system (VCS). The VCS may be configured to receive a video signal which may include one or more layers (e.g. a base layer (BL) and/or one or more enhancement layers (ELs)). The VCS may be configured to process a BL picture into an inter layer reference (ILR) picture e.g. using picture level inter layer prediction process. The VCS may be configured to select one or both of the processed IL R picture or an enhancement layer (EL) reference picture. The selected reference picture(s) may comprise one of the EL reference picture or the ILR picture. The VCS may be configured to predict a current EL picture using one or more of the selected ILR picture or the EL reference picture. The VCS may be configured to store the processed ILR picture in an EL decoded picture buffer (DPB).

No. of Pages: 57 No. of Claims: 46

(21) Application No.3555/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :06/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: ARYL ALKYL ETHERS AND METHOD THEREOF

(51) International classification :C07D (31) Priority Document No :NA (32) Priority Date :NA (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	(71)Name of Applicant:  1)DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANIZATION  Address of Applicant: Ministry of Defence, Govt. of India, Room No 348, B-Wing, DRDO Bhawan, Rajaji Marg, New Delhi 110001 India (72)Name of Inventor:  1)RANGARAJAN, Thakku Mohan 2)SINGH, Rajendra 3)BRAHMA, Raju 4)DEVI, Kavita 5)SINGH, Raj Pal
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#### (57) Abstract:

The present invention relates to a compound of Formula I or its stereoisomers, prodrugs and pharmaceutically acceptable salts thereof. Formula I The present disclosure further relates to a process of preparing an aryl alkyl ether compound, comprising: reacting an aryl halide with an alcohol in the presence of a base, a catalyst, and a ligand to obtain an aryl alkyl ether compound.

No. of Pages: 42 No. of Claims: 19

(22) Date of filing of Application :09/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : NOVEL LIQUID CRYSTALLINE NANOPARTICULATE COMPOSITION AND PROCESS OF PREPARATION THEREOF

		(71)Name of Applicant:
(51) International classification	:A61K	1)NATIONAL INSTITUTE OF PHARMACEUTICAL
(31) Priority Document No	:NA	EDUCATION AND RESEARCH (NIPER)
(32) Priority Date	:NA	Address of Applicant : A Society registered under the Societies
(33) Name of priority country	:NA	Registration Act XXI of 1860, having office at Sector-67, S.A.S
(86) International Application No	:NA	Nagar, Mohali, Punjab-160062, India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Sanyog Jain
(61) Patent of Addition to Application Number	:NA	2)Nitin Kumar Swarnarkar
Filing Date	:NA	3)Kaushik Thanki
(62) Divisional to Application Number	:NA	4)Pooja Yadav
Filing Date	:NA	5)Gandrathi Kuldeep Kumar
		6)Heeralal B.

#### (57) Abstract:

The present invention relates to the design and development of a suitable nanocarrier capable of improving the oral bioavailability of various difficult-to-deliver drugs such as anticancer agents, polyene antibiotics, antioxidants categorized as BCS class II, III or IV. More importantly, the developed LCNPs were lyophilized using step wise freeze drying cycle for improving the long term stability. The invention relates to the design and development of a suitable nanocarrier capable of improving the oral bioavailability of various difficult-to-deliver drugs such as anticancer agents, polyene antibiotics, antioxidants categorized as BCS class II, III or IV. Particularly, the developed nanocarrier system, i.e. Liquid crystalline nanoparticles (LCNPs) is suitable for oral route of administration, poses enhanced stability in simulated gastrointestinal fluids, long term stability at accelerated conditions of temperature and humidity as per ICH guidelines, increased oral bioavailability, therapeutic efficacy and safety profile as compared to clinical formulations

No. of Pages: 77 No. of Claims: 43

(22) Date of filing of Application :30/05/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: HAND-HELD TEST METER WITH TIME-MULTIPLEXED PHASE DETECTION

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(51) International classification	:G01N27/416	(71)Name of Applicant:
(31) Priority Document No	:13/909,970	1)LIFESCAN SCOTLAND LIMITED
(32) Priority Date	:04/06/2013	Address of Applicant :Beechwood Park North, Inverness,
(33) Name of priority country	:U.S.A.	Inverness-share, IV2 3ED, United Kingdom
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DAVID ELDER
(87) International Publication No	: NA	2)ROSSANO MASSARI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A hand-held test meter for use with an analytical test strip in determining an analyte in a fluid sample includes a housing retaining a microcontroller block and a phase-shift-measurement block. The measurement block includes a signal-generation sub-block that provides an excitation voltage signal; an interface sub-block that receives the analytical test strip and permits applying the voltage excitation signal to the test strip to provide a resultant current signal; a transimpedance conversion sub-block that receives the resultant current signal and provides a resultant voltage signal; and a phase detector responsive to the resultant voltage signal and a reference signal. The microcontroller block successively provides 0°- and 90°-phase reference signals as the reference to the phase detector to measure in-phase and quadrature components and determine a phase shift corresponding to a fluid sample in the received analytical test strip.

No. of Pages: 41 No. of Claims: 23

(21) Application No.251/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :12/01/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: EPOXIDATION PROCESS

:C07D301/10,C07D301/08 (71)Name of Applicant : (51) International classification 1) SCIENTIFIC DESIGN COMPANY INC. (31) Priority Document No :61/676050 (32) Priority Date :26/07/2012 Address of Applicant :49 Industrial Avenue Little Ferry New (33) Name of priority country :U.S.A. Jersey 07643 U.S.A. (72)Name of Inventor: (86) International Application No :PCT/US2013/051565 1)ROKICKI Andrzej Filing Date :23/07/2013 (87) International Publication No :WO 2014/018474 2)DURAND Jason (61) Patent of Addition to Application 3)MORIN Rudy Anthony :NA 4)SUCHANEK Wojciech

Number
Filing Date

(62) Divisional to Application Number :NA
Filing Date
:NA

### (57) Abstract:

A method for producing ethylene oxide comprising: providing one or more feed components wherein the one or more feed components contains at least ethylene obtained by dehydrating ethanol; contacting the one or more feed components with a desulfurization catalyst comprising a high surface area support and an amount of silver wherein at least 20% of the silver is present as oxidized silver; and contacting the one or more feed components with a silver containing epoxidation catalyst disposed inside an ethylene oxide reactor to form a reaction gas comprising ethylene oxide.

No. of Pages: 31 No. of Claims: 26

(22) Date of filing of Application: 12/01/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: SUCCESSIVE INTERFERENCE CANCELLATION STACKED BRANCH VAMOS RECEIVERS

(51) International classification	:H04L25/02,H04L5/12	(71)Name of Applicant :
(31) Priority Document No	:61/680999	1)ST ERICSSON SA
(32) Priority Date	:08/08/2012	Address of Applicant : Chemin du Champ des Filles 39 CH
(33) Name of priority country	:U.S.A.	1228 Plan les Ouates Switzerland
(86) International Application No	:PCT/EP2013/066626	(72)Name of Inventor:
Filing Date	:08/08/2013	1)JACOB Naveen
(87) International Publication No	:WO 2014/023800	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A receiver receives a desired radio sub channel transmitted with an unwanted radio sub channel by producing signal branches from a received radio signal by treating orthogonal components of the received signal separately and also by using one or both of oversampling and multiple receive antennas. Channel estimates for both the desired and unwanted radio sub channels are produced for signal branches. The unwanted radio sub channel bits are estimated from a non stacked form of the received radio signal. The channel estimates and the estimate of the unwanted radio sub channel bits are used to reconstruct unwanted radio sub channel components separately for signal branches. Desired radio sub channel signal branches are produced by subtracting a corresponding one of the reconstructed unwanted radio sub channel components from signal branches. A non stacked desired signal is produced by combining the desired radio sub channel signal branches. The non stacked desired signal is processed to receive the desired radio sub channel.

No. of Pages: 48 No. of Claims: 18

(21) Application No.338/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 14/01/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: PLANT DISEASE CONTROLLING AGENT PLANT DISEASE CONTROLLING METHOD AND PLANT DISEASE CONTROLLING PRODUCT

(51) International :A01N43/653,A01N43/56,A01P3/00

classification

:2012228346 (31) Priority Document No (32) Priority Date :15/10/2012 (33) Name of priority country: Japan

(86) International :PCT/JP2013/005423 Application No

:12/09/2013 Filing Date

(87) International Publication :WO 2014/061197

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71) Name of Applicant:

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Address of Applicant: 3 3 2 Nihonbashi Hamacho Chuo ku

Tokyo 1038552 Japan (72) Name of Inventor: 1)TATEISHI Hideaki 2) GROTE Thomas 3)DIETZ Jochen 4)MONTAG Jurith 5)HADEN Egon

## (57) Abstract:

The present invention provides a plant disease controlling agent which is low in active ingredient content. A plant disease controlling agent of the present invention contains as active ingredients (i) a triazole compound represented by general formula (I) and (ii) fluxapyroxad wherein X represents a chlorine atom or a fluorine atom.

No. of Pages: 19 No. of Claims: 6

(21) Application No.3583/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :10/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SOLAR POWER IN THE RAILWAY TRAINS

(51) International classification :F24J (31) Priority Document No :NA (32) Priority Date :NA (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	(71)Name of Applicant: 1)SWAMY, R.K Address of Applicant:27-B, RAJENDRA VIHAR, NEW AKASHWANI COLONY, KOTA-324001, RAJASTHAN, INDIA. 2)SWAMY, DELTA 3)SWAMY, CHANDRA (72)Name of Inventor: 1)SWAMY, R.K 2)SWAMY, DELTA 3)NA 4)SWAMY, CHANDRA
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

#### (57) Abstract:

The novel and inventive method of Solar Power in the Railway Trains is useful to produce electricity with out land and extra build infrastructures; by using the rooftop of railway coaches (Figure. 1). Solar Cell Panels are installed upon rooftop of readily available railway train coaches. These panels are receiving solar energy from the sunlight and the photovoltaic cells are converting solar energy into electrical power as per scientific laws. The electricity produced by this novel project is carried by power line for proper distribution and also for storage in the batteries (Figure. 11). Electricity produced by this novel method is economical, quick, safe, pollutionfree and only utilizing the rooftop of railway coaches during travelling and also at halting in the sunlight. The railway coaches, kept as spare or in store or at railway yards are also utilized to install the Solar Cell Panels, by keeping these under sunlight.

No. of Pages: 12 No. of Claims: 10

(21) Application No.299/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :13/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: OPTICAL NETWORK UNIT POWER MANAGEMENT IN PASSIVE OPTICAL NETWORKS

<ul> <li>(51) International classification</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> </ul>	:H04B10/25 :PCT/CN2012/078649 :13/07/2012 :China :PCT/US2013/050533 :15/07/2013 :WO 2014/012109	Address of Applicant :Zte Plaza Keji South Road Hi Tech Industrial Park Shenzhen 518057 China 2)ZTE (USA) INC. (72)Name of Inventor: 1)KHOTIMSKY Denis Andreyevich 2)YUAN LiQuan
Number Filing Date	:NA	2)YUAN LiQuan 3)ZHANG DeZhi
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Techniques for unified optical network unit power management in a passive optical network include operating an optical network unit (ONU) in a first state in which a transmitter of the ONU is turned off and a receiver of the ONU is turned on operating the ONU in a second state in which both the transmitter and the receiver are turned off and transitioning the ONU directly between the first state and the second state based on a power management rule.

No. of Pages: 40 No. of Claims: 17

(21) Application No.309/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: METHODS FOR BIOSYNTHESIZING 1 3 BUTADIENE

(51) International classification: C12P5/02, C12N9/00, C07C11/167 (71) Name of Applicant:

(31) Priority Document No :PCT/US2012/042757

(32) Priority Date :15/06/2012 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2013/045430

No

:12/06/2013 Filing Date

(87) International Publication

:WO 2013/188546

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date (57) Abstract:

1)INVISTA Technologies S. .r.l.

Address of Applicant : Zweigniederlassung St. Gallen Kreuzackerstrasse 9 CH 9000 St. Gallen Switzerland

(72)Name of Inventor: 1)PEARLMAN Paul S. 2) CHEN Changlin 3)BOTES Adriana

4) CONRADIE Alex Van Eck

substrate. These pathways described herein rely on enzymes such as mevalonate diphosphate decarboxylase isoprene synthase and dehydratases for the final enzymatic step.

This document describes biochemical pathways for producing butadiene by forming two vinyl groups in a butadiene synthesis

No. of Pages: 82 No. of Claims: 151

(22) Date of filing of Application: 14/01/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: VARIABLE FOCUS ELECTROACTIVE OPHTHALMIC DEVICE

:G02C7/04,G02C7/08,G02B3/14 (71)Name of Applicant : (51) International classification

(31) Priority Document No :61/666136 (32) Priority Date :29/06/2012

(33) Name of priority country :U.S.A.

(86) International Application No:PCT/US2013/048194

Filing Date :27/06/2013

(87) International Publication No: WO 2014/004836

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application

:NA Number :NA Filing Date

1)JOHNSON & JOHNSON VISION CARE INC.

Address of Applicant: 7500 Centurion Parkway Jacksonville

Florida 32256 U.S.A. (72)Name of Inventor:

1)PUGH Randall B. 2)RIALL James 3)OTTS Daniel B.

4)FLITSCH Frederick A.

5)NA

#### (57) Abstract:

A variable focus ophthalmic device is described. The device comprises a front curve optical portion of the variable focus ophthalmic device comprising a front curve top optical surface and a front curve bottom optical surface and a back curve optical portion of the variable focus ophthalmic device comprising a back curve top optical surface and a back curve bottom optical surface. A cavity is formed by the front curve bottom optical surface of the front curve optical portion of the variable focus ophthalmic device and the back curve top optical surface of the back curve portion of the variable focus ophthalmic device. A first fluid with a first index of refraction and a second fluid with a second index of refraction is provided wherein the first index of refraction and the second index of refraction are different and the two fluids are immiscible. A dielectric film in contact with at least a portion of one or more of the first or second fluids and overlying an electrode capable of establishing an electric field is provided. One or more reservoir regions for containment of a volume of fluid equal or approximately equal to the volume of the first fluid and wherein the reservoir is in fluid connection with said formed cavity.

No. of Pages: 50 No. of Claims: 20

(21) Application No.3496/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :02/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: THERAPEUTIC COOL ABSORBENT PAD

(51) International classification	:A61F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TADIPATRI PRATIMA
(32) Priority Date	:NA	Address of Applicant :UNIT 66, 38, ORARA STREET,
(33) Name of priority country	:NA	WAITAR, 2077, NSW AUSTRALIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)TADIPATRI PRATIMA
(87) International Publication No	: NA	2)GARG ASTHA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention discloses a therapeutic cool absorbent pad which provides an enhanced absorption capacity along with uncompromised cold therapy to the body of the user. The freezer cooled Therapeutic Cool Absorbent Pad, is attached to the wearers underwear garment by garment adhesive after removing peel strip to be positioned at a predetermined region of human body. Liquid permeable top liner has perforations to allow body fluids to flow to absorbent means. Fully sealed coolant pad also has edge sealed perforations to allow body fluids to flow through to the absorbent means. The fully sealed coolant pad offers cooling effect at the surface of top permeable liner providing extra comfort during pain, swelling, burning or oedema and may also benefit in thickening body fluids which in turn may help to clot excessive bleeding and discharge without any risk of leaking coolants medium.

No. of Pages: 21 No. of Claims: 7

(21) Application No.3591/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :11/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : PROCESS FOR THE PREPARATION OF TRANS (-) PINAVERIUM BROMIDE AND INTERMEDIATES THEREOF

(51) International classification	:C07D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)JUBILANT LIFE SCIENCES LIMITED
(32) Priority Date	:NA	Address of Applicant :PLOT 1A, SECTOR 16A, NOIDA-
(33) Name of priority country	:NA	201301, UP. INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)BISWAS, SUJAY
(87) International Publication No	: NA	2)KANERIA, ANKITKUMAR RAMNIKLAL
(61) Patent of Addition to Application Number	:NA	3)HAWALDAR, MAURYA
Filing Date	:NA	4)VIR, DHARAM
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention relates to the process for the preparation of substantially pure trans pinaverium bromide, compound of formula-11, having HPLC purity more than 99%. In one more aspect of the present invention provides the improved process for the preparation of trans (-)

No. of Pages: 22 No. of Claims: 5

(21) Application No.300/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: EXHAUST HEAT RECOVERY 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 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>	:F01N5/02 :2012161816 :20/07/2012 :Japan :PCT/JP2013/069633 :19/07/2013 :WO 2014/014080 :NA :NA	(71)Name of Applicant:  1)FUTABA INDUSTRIAL CO. LTD.  Address of Applicant: 1 Aza ochaya Hashime cho Okazaki shi Aichi 4448558 Japan (72)Name of Inventor:  1)KOBAYASHI Arata 2)OKAMI Hirohisa
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In an exhaust heat recovery apparatus exhaust gas flows out from a heat exchange outlet into a heat exchange flow path the exhaust gas flowing out into the heat exchange flow path flows through a heat exchanger in a radial direction thereof from the inner side to the outer side thereof and reaches a second heat exchange flow path from a first heat exchange flow path. Heat is exchanged at the heat exchanger while the exhaust gas is flowing therethrough.

No. of Pages: 53 No. of Claims: 10

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: A METHOD FOR CONTROLLING A VAPOUR COMPRESSION SYSTEM DURING START 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:11/07/2013 :WO 2014/029402 :NA :NA	(71)Name of Applicant:  1)DANFOSS A/S Address of Applicant: Nordborgvej 81 DK 6430 Nordborg Denmark (72)Name of Inventor:  1)IZADI ZAMANABAD Roozbeh 2)JENSEN Hans Joergen 3)JENSEN Lars
Filing Date	:NA	

#### (57) Abstract:

A method for controlling a vapour compres sion system (1) during start-up is disclosed. The rate of True change,  $\Delta Ti$ , of the temperature of refrigerant entering the True evaporator (4), and the rate of change,  $\Delta T2$ , of the temperature of refrigerant leaving the evaporator (4) are compared. Based on the comparing step, a refrigerant filling state of the evaporator (4) is determined. The opening degree (11) of the expansion device (3) is then controlled according to a first control strategy in the case that it is determined that the evaporator (4) is full or almost full, and according to a second control strategy in the case that it is determined that the evaporator (4) is not full. Thereby it is ensured that a maximum filling degree of the evaporator (4) is quickly reached, without risking that liquid refrigerant passes through the evaporator (4).

No. of Pages: 23 No. of Claims: 11

(21) Application No.329/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 14/01/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: COMPLEX DYNAMIC AIR AND GROUND VEHICLE CONTROL INCEPTOR

(51) International :B64C13/00,B64C13/04,G05G9/047 classification

(31) Priority Document No :61/672700

(32) Priority Date :17/07/2012 (33) Name of priority country: U.S.A.

(86) International Application: PCT/US2013/050958

No :17/07/2013

Filing Date

(87) International Publication :WO 2014/058500 No

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date

(62) Divisional to :NA **Application Number** Filing Date

:NA

(71)Name of Applicant: 1)MASON ELECTRIC CO.

Address of Applicant: 13955 Balboa Boulevard Sylmar CA

91342 U.S.A.

(72) Name of Inventor: 1)SALAMAT Bijan

2)SANGUINETTI Jorge J.

3)MYLES Robert J.

4)STEPANIAN Avetis

5)GABLER Andrew K.

## (57) Abstract:

A complex dynamic air and ground vehicle control inceptor assembly that provides active positional control with the capability of back drive (pilot over ride) via a direct connection between the lever a high gear ratio gearbox and the motor without the use of a clutch.

No. of Pages: 23 No. of Claims: 25

(21) Application No.349/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/01/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention: ELEVATOR CAR

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:B66B11/02 :NA	(71)Name of Applicant: 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/JP2012/068407	(72)Name of Inventor:
Filing Date	:20/07/2012	1)KAWAMURA Yosuke
(87) International Publication No	:WO 2014/013599	2)MIYOSHI Kan
(61) Patent of Addition to Application Number	:NA	3)TAKAHARA Yu
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Provided is an elevator car such that noise in particular structure borne noise in the car during elevator travel can be reduced. The elevator car (1) is configured from two layers of an exterior side plate (4) and an interior side plate (5) and resonance in the side plates is controlled and sound insulation is improved therein by having different measurements for the widths of the exterior side plate (4) and the interior side plate (5) and by arranging the exterior side plate (4) the interior side plate (5) exterior side plate reinforcements (6) and interior side plate reinforcements (7) in a direction perpendicular to the side plate surface with the positions thereof being offset from each other.

No. of Pages: 8 No. of Claims: 3

(22) Date of filing of Application :15/01/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: TECHNIQUES AND DROPLET ACTUATOR DESIGNS FOR REDUCING BUBBLE FORMATION

(51) International classification	:G01N1/00,B01D57/02,B01L3/00	(71)Name of Applicant:
(31) Priority Document No	:61/664980	1)ADVANCED LIQUID LOGIC INC.
(32) Priority Date	:27/06/2012	Address of Applicant :615 Davis Drive Suite 800 P.O. Box
(33) Name of priority country	:U.S.A.	14025 Research Triangle Park North Carolina 27709 U.S.A.
(86) International Application No Filing Date	:PCT/US2013/048319 :27/06/2013	(72)Name of Inventor: 1)DELATTRE Cyril 2)RIVAL Arnaud
(87) International Publication No	:WO 2014/004908	3)SRINIVASAN Vijay
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

During droplet operations in a droplet actuator bubbles often form in the filler fluid in the droplet operations gap and interrupt droplet operations. The present invention provides methods and systems for performing droplet operations on a droplet in a droplet actuator comprising maintaining substantially consistent contact between the droplet and an electrical ground while conducting multiple droplet operations on the droplet in the droplet operations gap and/or reducing the accumulation of electrical charges in the droplet operations gap during multiple droplet operations. The methods and systems reduce or eliminate bubble formation in the filler fluid of the droplet operations gap thereby permitting completion of multiple droplet operations without interruption by bubble formation in the filler fluid in the droplet operations gap.

No. of Pages: 79 No. of Claims: 76

(22) Date of filing of Application :08/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: REMOTE CONTROL 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 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>	:1020120066375 :20/06/2012 :Republic of Korea :PCT/KR2013/005444 :20/06/2013 :WO 2013/191484 :NA :NA	(71)Name of Applicant:  1)SAMSUNG ELECTRONICS CO. LTD.  Address of Applicant:129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (72)Name of Inventor:  1)CHOI Eun seok 2)LEE Woo Seok 3)CHOI Sang on 4)HYUN Sang min 5)BAE Jun won
(62) Divisional to Application Number Filing Date	:NA :NA	5)BAE Jun won

#### (57) Abstract:

A remote controlling apparatus to provide a plurality of control modes includes a communicating unit which performs communication with an external display apparatus which provides a user interface screen a detecting unit which detects a movement of the remote controlling apparatus a mode change button unit which receives a user command to change control mode and a control unit which controls a display status of the user interface screen according to the movement of the remote controlling apparatus as detected through the detecting unit and which operates in a pointing mode if the mode change button unit is released from pressed state or operates in a gesture mode while the mode change button unit is in pressed state. The mode change button unit is arranged on a rear surface of the remote controlling apparatus for a user to grip.

No. of Pages: 49 No. of Claims: 15

(21) Application No.252/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 12/01/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention : SYSTEM FOR ATTACHING A THERMAL BATTERY TO A POWER SECTION OF AN UNDERWATER CRAFT

<ul> <li>(51) International 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>	:H01M8/14,H01M8/24,B63G8/08 :1257156 :24/07/2012 :France :PCT/EP2013/065529 :23/07/2013	(71)Name of Applicant:  1)DCNS  Address of Applicant: 40 42 rue du Docteur Finlay F 75015  Paris France (72)Name of Inventor:  1)ROMAND Jean Fran§ois Pierre Laurent 2)MADIER Ludovic
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:WO 2014/016303 :NA :NA	
Filing Date	:NA	

## (57) Abstract:

This system for attaching a thermal battery to a flange of a power supply section of an underwater craft such as a torpedo of the type comprising a fixing sleeve (10) arranged around and fixed to the battery and provided with fixing lugs (11,12,13) comprising holes (14,15,16) for the passage of screws for attachment to the flange is characterized in that the sleeve (10) is in the overall shape of a C of which the intermediate part and the ends of the branches comprise the fixing lugs for fixing this sleeve to the flange.

No. of Pages: 8 No. of Claims: 3

(21) Application No.292/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: ABRASIVE ARTICLE HAVING REVERSIBLE INTERCHANGEABLE ABRASIVE SEGMENTS

:B24D7/00,C09K3/14,C09C1/68 (71)Name of Applicant : (51) International classification

(31) Priority Document No :61/666542 (32) Priority Date :29/06/2012

(33) Name of priority country :U.S.A.

(86) International Application No:PCT/US2013/048696

Filing Date :28/06/2013 (87) International Publication No: WO 2014/005079

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)SAINT GOBAIN ABRASIVES INC.

Address of Applicant :One New Bond Street Worcester

Massachusetts 01615 U.S.A.

2)SAINT GOBAIN ABRASIFS

(72)Name of Inventor: 1)HOANG Marc Linh

#### (57) Abstract:

An abrasive article is disclosed and can include a core and a plurality of identical segments extending from the core. The segments can be arranged on the core to form first abrasive article indicia on a first side of the abrasive article and second abrasive article indicia on a second side of the abrasive article opposite the first side. The first abrasive article indicia can be identical to the second abrasive article indicia. Moreover the first abrasive article indicia can be offset with respect to the second abrasive article indicia.

No. of Pages: 34 No. of Claims: 54

(21) Application No.301/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: FUNGICIDAL COMPOSITIONS

(51) International :A01N43/56,A01N37/50,A01N43/36 classification

(31) Priority Document No :12177995.3 (32) Priority Date :26/07/2012

(33) Name of priority :EPO

country

(86) International :PCT/EP2013/065480

Application No :23/07/2013 Filing Date

(87) International

:WO 2014/016279 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71) Name of Applicant:

1)SYNGENTA PARTICIPATIONS AG

Address of Applicant: Schwarzwaldallee 215 CH 4058 Basel

Switzerland

(72) Name of Inventor: 1)SWART Gina Mercia 2)HAAS Ulrich Johannes 3)OOSTENDORP Michael

4)WOLF Hanno Christian

# (57) Abstract:

A composition suitable for control of diseases caused by phytopathogens comprising a mixture of a compound of formula (I) with two compounds selected from compounds known for their fungicidal activity; and a method of controlling diseases on useful plants.

No. of Pages: 147 No. of Claims: 12

(21) Application No.3504/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :03/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A NOVEL FUNGICIDAL COMBINATION

(51) International classification	:A01N	(71)Name of Applicant:
(31) Priority Document No	:NA	1)CRYSTAL CROP PROTECTION PVT. LTD
(32) Priority Date	:NA	Address of Applicant :GI/17, GT KARNAL ROAD,
(33) Name of priority country	:NA	INDUSTRIAL AREA, AZADPUR(NEAR AZADPUR METRO
(86) International Application No	:NA	STATION), DELHI 110033, INDIA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)NAND KISHORE AGGARWAL
(61) Patent of Addition to Application Number	:NA	2)JAYANTA MAJUMDAR
Filing Date	:NA	3)SAURABH TRIPATHI
(62) Divisional to Application Number	:NA	4)LALIT SHARMA
Filing Date	:NA	5)RAM SINGH

# (57) Abstract:

The present invention relates to a novel synergistic fungicidal combination comprising of a strobilurin, an azole, and a peptide optionally along with other excipients. The combination of the present invention is used in the prevention and treatment of fungicidal infection in plants. The combination of the present invention also enhances the greenness of the foliage and sheath of the crops and provides resistance against the fungal pathogens.

No. of Pages: 20 No. of Claims: 21

(21) Application No.3606/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :11/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHOD FOR INSTALLLING AND REMOVING CONCRETE BLOCKS

:B66C	(71)Name of Applicant:
:NA	1)MANITOWOC CRANE GROUP FRANCE
:NA	Address of Applicant :18, CHEMIN DE CHARBONNIERES
:NA	69130 ECULLY FRANCE
:NA	(72)Name of Inventor:
:NA	1)REYMOND, GUILLAUME
: NA	
:NA	
:NA	
:NA	
:NA	
	:NA :NA :NA :NA :NA :NA :NA :NA

# (57) Abstract:

The method keeps the operator safe while installing and removing stackable concrete blocks. It involves using handling device (1) which is equipped with means (9 to 12) for attaching and suspending a concrete block (1 4) and which itself comprises a protective barrier (2 to 7) placed temporarily on the concrete block (14) to safeguard the operations of detaching or attaching this block. The barrier advantageously has safeguarded lateral access of the safety bow type (81, that comes into register with rungs (19) with which the concrete blocks (1 4) are equipped. Application to the stacking of ballast blocks on the base chassis of a tower crane.

No. of Pages: 17 No. of Claims: 8

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: NONINTRUSIVE INSPECTION METHOD AND SYSTEM OF AIRCRAFTS

(51) International classification	:G01V5/00	(71)Name of Applicant:  1)MB TELECOM LTD.  Address of Applicant: Calea Bucurestilor no. 3A Otopeni Ilfov 075100 Romania
(31) Priority Document No	:a2012 00443	(72)Name of Inventor:
(32) Priority Date	:18/06/2012	1)TUDOR Mircea
(33) Name of priority country	:Romania	2)BŽZGAN Adrian
(86) International Application No	:PCT/RO2012/000030	3)SIMA Constantin
Filing Date	:06/12/2012	4)CHIRITA Ionel
(87) International Publication No	:WO 2014/081327	5)IACOBITA Andrei
(61) Patent of Addition to Application	:NA	6)MIEILICA Emilian
Number	:NA	7)OSVAT Adrian
Filing Date	.11/1	8)PRIOTEASA Cristian
(62) Divisional to Application Number	:NA	9)POPOVICI Ovidiu
Filing Date	:NA	10)DOBRESCU Anda
		11)MUNTEANU Doru
		12)STUDINEANU Emil
		13)BIRSAN Nicusor

#### (57) Abstract:

The present invention consists of a method and a scanning system for the nonintrusive inspection of aircrafts. The nonintrusive control method according to the invention consists in using a tugging device attached to the aircraft s landing gear which tows the said aircraft over a detector line said detector line fixed onto the runway and under a penetrating radiation source held by a telescopic boom fixed on a mobile scanning unit. The aircraft is towed with constant speed and electronically controlled in a secured and delimited perimeter. The system according to the invention consists of a mobile scanning unit (MSU) controlled remotely by a towable mobile control center (11) (MCC). The system also includes an exclusion area a perimeter protection subsystem (9). The mobile scanning unit (MSU) consists of a telescopic boom (3) mounted in a two degree joint (4) said boom holding on its extremity a penetrating radiation source (5) said system further consisting in a detector line (7) fixed onto the runway and a tugging device which attaches to the aircraft s undercarriage. The mobile control center (11) is positioned outside the exclusion area a and remotely commands all the processes involved in the nonintrusive inspection.

No. of Pages: 12 No. of Claims: 5

(21) Application No.333/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHOD AND ARRANGEMENT FOR ACQUIRING SCHEDULING 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 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>	:H04W72/04 :NA :NA :NA :PCT/CN2012/079464 :01/08/2012 :WO 2014/019155 :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON(PUBL) Address of Applicant: SE 164 83 Stockholm Sweden (72)Name of Inventor: 1)ZHU Huaisong 2)HUANG Jinliang 3)YANG Yu 4)YU Lusheng Lucius
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#### (57) Abstract:

A method executed in a first radio base station located in a first cell is provided for acquiring scheduling information associated with a second radio base station located in a neighboring cell where the method comprises listening via an air interface to scheduling information transmitted via a downlink control channel from the second radio base station; decoding the received scheduling information and providing the decoded scheduling information to an uplink receiver and/or uplink scheduler associated with the radio base station such that the uplink receiver and/or uplink scheduler will be able to enhance its performance on the basis of the received scheduling information. An arrangement for executing the suggested method is also provided.

No. of Pages: 25 No. of Claims: 14

(22) Date of filing of Application :05/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHOD OF MEASURING VISCOSITY OF GUMS

		(71)Name of Applicant:
(51) International classification	:C10M	1)Colgate-Palmolive Company
(31) Priority Document No	:NA	Address of Applicant :300 Park Avenue, New York, New
(32) Priority Date	:NA	York 10022, U.S.A.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)UTIMA Enzo
Filing Date	:NA	2)PRAT Erico V.
(87) International Publication No	: NA	3)POTNIS Shashank
(61) Patent of Addition to Application Number	:NA	4)KAMATH Shridhara H.
Filing Date	:NA	5)SIRDESAI Amit
(62) Divisional to Application Number	:NA	6)MADHAVI Rupali
Filing Date	:NA	7)VARTAK Santosh V.
		8)PLATA Rolando

#### (57) Abstract:

A method of determining the viability of a gum for use in making a product has been achieved by (a) mixing a sample of the gum in a solvent comprising one or more hydroxy moiety containing solvent compound to form a solution with the gum; (b) measuring the viscosity of the solution and comparing against a predetermined target viscosity for a product; and (c) comparing the viscosity of the solution and the predetermined target viscosity and discarding gum which is outside the predetermined target viscosity; and (d) using the gum which has a viscosity within the predetermined target to prepare a product; wherein another hydroxy moiety containing solvent is used if water is used as a solvent. Also described are compositions comprising the gum and solvent comprising one or more hydroxy moiety.

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

1)UNICHARM CORPORATION

Address of Applicant: 182 Shimobun Kinsei cho Shikokuchuo

(71)Name of Applicant:

shi Ehime 7990111 Japan (72) Name of Inventor:

3)ONOZUKA Takashi

1)SUZUKI Yuichi

2)OCHI Kota

(19) INDIA

(22) Date of filing of Application :15/01/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: LIQUID APPLICATION DEVICE AND LIQUID APPLICATION METHOD

(51) International :A61F13/15,A61F13/472,A61F13/49 classification

105) at least includes a suction area (AS) where the web (3) i s suctioned.

(31) Priority Document No :2013151698 (32) Priority Date :22/07/2013 (33) Name of priority

:Japan country

(86) International :PCT/JP2014/067388 Application No

:30/06/2014 Filing Date

(87) International

:WO 2014/196664 Publication No

(61) Patent of Addition to :NA **Application Number** Filing Date (62) Divisional to

:NA :NA **Application Number** :NA Filing Date (57) Abstract: The present invention relates t o a liquid application device 1, 100) that i s used in the manufacture of absorbent articles, and applies a liquid having a viscosity within the range of 0.05 t o 4 Pas t o a continuously conveyed web (3). The liquid ap - plication device (1, 100) comprises: a tank (11) that holds a liquid; a liquid application nozzle (13) that applies the liquid to one sur face (3ff) of the web (3); a pump (17) that supplies the liquid within the tank (11) to the liquid application nozzle (13) via a tube (15); a suction

device (5, 105) that has a surface (5f, 105f) facing the other surface (3fs) of the web (3); and an airblow nozzle (37) that blows air to a section of the one surface (3ff) of the web (3) where the liquid has been applied. The surface (5f, 105f) of the suction device (5,

No. of Pages: 45 No. of Claims: 9

(21) Application No.1345/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :21/05/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention : ARRANGEMENT FOR ELECTRICAL CONTACTING AND PLUG TYPE CONNECTION COMPRISING SUCH AN ARRANGEMENT AND METHOD FOR JOINING SUCH AN ARRANGEMENT TO A COUNTER-ARRANGEMENT

(51) International classification	:H01R13/05	(71)Name of Applicant :
(31) Priority Document No	:10 2013 210 122.8	1)Tyco Electronics AMP GmbH Address of Applicant :of Amp restrasse 12 - 14, 64625
(32) Priority Date	:29/05/2013	Bensheim, Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)DUENKEL, DIRK
Filing Date	:NA	2)SCHALL, MICHAEL
(87) International Publication No	: NA	3)PANITZ, GREGOR
(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 an arrangement (1) for electrical contacting and a plug type connection (40) comprising such an arrangement (1). The invention further relates to a method for joining an arrangement (1) for electrical contacting to a counter-arrangement (3). An object of the invention is to provide an arrangement (1) for electrical contacting, in which the risk of damage is as small as possible. This object is achieved by an arrangement (1) for electrical contacting which comprises a resiliently redirectable contact arm (5) having a contact face (15) and a counter-element (6) which can be displaced parallel with the contact arm (5), wherein the counter-element (6) is displaced with respect to a start position (A) in a contact position (K) and the contact arm (5) is thereby resiliently redirected transversely relative to the displacement direction (M) of the counter-element (6).

No. of Pages: 3 No. of Claims: 15

(21) Application No.1409/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :28/05/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : METHOD OF AIR PREHEATING FOR COMBUSTION POWER PLANT AND SYSTEMS COMPRISING THE SAME

(61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA	Filing Date	:13/923,936 :21/06/2013 :U.S.A. :NA :NA : NA : NA :NA	
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#### (57) Abstract:

Disclosed herein is a heat exchanger for transferring heat between a first gas flow and a second gas flow, the heat exchanger comprising at least two sectors; a first sector that is operative to receive a combustion air stream; and a second sector that is opposed to the first sector and that is operative to receive either a reducer gas stream or an oxidizer gas stream, and a pressurized layer disposed between the first sector and the second sector; where the pressurized layer is at a higher pressure than combustion air stream, the reducer gas stream and the oxidizer gas stream.

No. of Pages: 38 No. of Claims: 21

(21) Application No.141/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: NFC STABILIZED FOAM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:B01J13/00,B82Y30/00,C08J9/30 :61/670046 :10/07/2012	(71)Name of Applicant:  1)CELLUTECH AB  Address of Applicant: Teknikringen 38A S 114 28 Stockholm
(33) Name of priority country	:U.S.A.	Sweden
(86) International Application No Filing Date (87) International Publication No	:PCT/SE2013/050889 :10/07/2013 :WO 2014/011112	(72)Name of Inventor: 1)TCHANG CERVIN Nicholas 2)BERGSTR-M Lennart 3)WGBERG Lars Erik
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

# (57) Abstract:

A hydrophobized nanofibrillated cellulose foam comprising a charged hydrophobic amine a method for providing such foam and its use.

No. of Pages: 27 No. of Claims: 14

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SYSTEMS AND METHODS FOR DETECTING TAX REFUND FRAUD

<ul> <li>(51) International classification</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>	:02/07/2013 :WO 2014/008247 :NA :NA	(71)Name of Applicant:  1)LEXISNEXIS RISK SOLUTIONS FL INC. Address of Applicant: 6601 Park of Commerce Boulevard Boca Raton FL 33487 U.S.A. (72)Name of Inventor: 1)BUCHOLZ Andrew John
Number		

#### (57) Abstract:

Certain embodiments of the disclosed technology may include systems and methods for detecting tax refund fraud. According to an exemplary embodiment of the disclosed technology a method is provided for detecting tax refund fraud. The method includes receiving entity supplied information. In an exemplary embodiment the entity supplied information includes at least a name social security number and mailing address. The method further includes querying one or more databases with the entity supplied information and receiving a plurality of independent information in response to the querying. The method can include determining based at least in part on a comparison of the entity supplied information with the plurality of independent information zero or more indicators of fraud. The method can include outputting the zero or more indicators of fraud.

No. of Pages: 32 No. of Claims: 18

(21) Application No.368/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/01/2015 (43) Publication Date: 12/06/2015

#### (54) Title of the invention: FERRITIC STAINLESS STEEL

(51) International

:C22C38/00,C22C38/50,C22C38/54

classification

(31) Priority Document No :2012209170

(32) Priority Date

:24/09/2012

(33) Name of priority country: Japan

(86) International Application :PCT/JP2013/001821

Filing Date

:18/03/2013

(87) International Publication :WO 2014/045476

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1) JFE STEEL CORPORATION

Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chiyoda

ku Tokyo 1000011 Japan (72) Name of Inventor:

1)YOSHINO Masataka

2)OTA Hiroki

# (57) Abstract:

Provided is a ferritic stainless steel exhibiting excellent corrosion resistance in weld sections. The ferritic stainless steel is characterized by: comprising in mass% 0.003 0.014% of C 0.005 0.016% of N a total of 0.023% or less of C%+N% 0.01 0.90% of Si 0.01 0.50% of Mn 0.020 0.040% of P 0.008% or less of S 0.001 0.090% of Al 14.5 23.0% of Cr 0.10 0.60% of Ni and 0.010 0.040% of V; comprising Ti or Ti and Nb in a range in which the content of Ti is 0.15 0.34 mass% Ti%+Nb%=0.70 and V%/(Ti%+0.5—Nb%) is 0.05 0.20 and/or comprising Nb or Nb and Ti in a range in which the content of Nb is 0.35 0.60 mass% Ti%+Nb%=0.70 and V%/(Ti%+0.5—Nb%) is 0.05 0.20; and the remainder comprising Fe and unavoidable impurities.

No. of Pages: 32 No. of Claims: 3

(21) Application No.1004/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention: PROCESS FOR PRODUCING WIND POWER PLANT ROTOR BLADES AND FOR PRODUCING A MOULD CORE THEREFOR

(51) International

:B29D99/00,B29C33/54,B29C70/44

classification

:10 2012 216 830.3

(31) Priority Document No (32) Priority Date

:19/09/2012

(33) Name of priority country: Germany

(86) International Application :PCT/EP2013/065689

No

:25/07/2013

Filing Date

(87) International Publication :WO 2014/044445

(61) Patent of Addition to :NA

**Application Number** Filing Date

:NA

(62) Divisional to Application:NA Number

Filing Date

:NA

# (57) Abstract:

(71)Name of Applicant:

1)WOBBEN PROPERTIES GMBH

Address of Applicant :Dreekamp 5 26605 Aurich Germany

(72)Name of Inventor:

1)KAMKE Ingo

2)SANFTLEBEN Rico

The invention relates to a process for producing a mould core for the production of wind power plant rotor blades in one piece. According to the invention, the process comprises the following steps: providing a flexible hollow body, for example a film tube, inserting the hollow body between at least two mould parts, which are arranged relative to one another in such a manner that they form a negative mould of the rotor blade to be produced, filling the hollow body with bulk material before or after Insertion of the hollow body between the mould parts, and generating a negative pressure in the hollow body after it has been filled and inserted, in such a manner that the hollow body solidifies. The invention furthermore relates to a process for generating a negative pressure between mould parts and mould core.

No. of Pages: 35 No. of Claims: 21

(22) Date of filing of Application :07/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: HETEROCYCLIC MODULATORS OF LIPID SYNTHESIS

(51) International classification :C07D401/14,C07D413/14,C07D401/10

:PCT/US2013/048950

:WO 2014/008197

:61/667894

:01/07/2013

:U.S.A.

(31) Priority Document

(31) Priority Document

(32) Priority Date :03/07/2012

(33) Name of priority country

(86) International

Application No
Filing Date

(87) International

Publication No

(61) Patent of Addition to
Application Number
:NA

Filing Date
(62) Divisional to
Application Number

Filing Date

:NA

:NA

(71)Name of Applicant:

1)3 V BIOSCIENCES INC.

Address of Applicant :1050 Hamilton Court Menlo Park

California 94025 U.S.A.

(72)Name of Inventor:

1)OSLOB Johan D.

2)MCDOWELL Robert S.

3)JOHNSON Russell

4)YANG Hanbiao

5)EVANCHIK Marc 6)ZAHARIA Cristiana A.

7)CAI Haiying 8)HU Lily W.

# (57) Abstract:

Heterocyclic modulators of lipid synthesis are provided as well as pharmaceutically acceptable salts thereof; pharmaceutical compositions comprising such compounds; and methods of treating conditions characterized by disregulation of a fatty acid synthase pathway by the administration of such compounds.

No. of Pages: 453 No. of Claims: 157

(22) Date of filing of Application :07/01/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention : ANTI DR5 FAMILY ANTIBODIES BISPECIFIC OR MULTIVALENT ANTI DR5 FAMILY ANTIBODIES AND METHODS OF USE THEREOF

# (57) Abstract:

Anti DR5 family member antibodies and bispecific antibodies comprising one or more anti DR5 family member antibodies are disclosed. These antibodies can be used to trigger cell death on DR5 positive cells.

No. of Pages: 101 No. of Claims: 15

(21) Application No.312/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 14/01/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: LIQUID APPLICATION DEVICE AND LIQUID APPLICATION METHOD

(51) International :A61F13/15,A61F13/472,A61F13/49 classification

(31) Priority Document No :2013151632 (32) Priority Date :22/07/2013 (33) Name of priority

:Japan country

(86) International :PCT/JP2014/067407 Application No

:30/06/2014 Filing Date

(87) International

:WO 2014/192980 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA (71)Name of Applicant:

1)UNICHARM CORPORATION

Address of Applicant: 182 Shimobun Kinsei cho Shikokuchuo

shi Ehime 7990111 Japan (72) Name of Inventor: 1)SUZUKI Yuichi 2)OCHI Kota

3)ONOZUKA Takashi

# (57) Abstract:

Filing Date

The present invention pertains t o a liquid application device (I, 100) that i s used m the production of absorbent art icles and applies a liquid with a viscosity between 0.05-4 Pas t o a continuously transported web (3). The liquid application device (1, 100) i s provided with: a tank (11) holding a liquid; a liquid application nozzle (13) that applies the liquid to one surface (3ff) of the web (3); a pump (17) that supplies the liquid inside the tank t o the liquid application nozzle (13) through a tube (I; and a sue - tion device (5, 105) having a surface (5f, 105f) that faces the other surface (3fs) of the web (3). The surface (5f, 105f) of the suction device (5, 105) at least includes a suction area (AS) that suctions in the web (3).

No. of Pages: 34 No. of Claims: 8

(19) INDIA

(22) Date of filing of Application: 14/01/2015

(21) Application No.351/DELNP/2015 A

(43) Publication Date: 12/06/2015

(54) Title of the invention: TIRE

<ul> <li>(51) International classification</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>	:B60C19/00 :2012157203 :13/07/2012 :Japan :PCT/JP2013/069157 :12/07/2013 :WO 2014/010728 :NA :NA	(71)Name of Applicant:  1)BRIDGESTONE CORPORATION Address of Applicant:10 1 Kyobashi 1 chome Chuo ku Tokyo 1048340 Japan (72)Name of Inventor: 1)SHOUYAMA Yoshinobu
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#### (57) Abstract:

In a cross section of this tire (1) orthogonal to the tire circumference direction and running along the tread width direction an end (7b) that is outside in the tire diameter direction of an electronic device (7) is positioned farther inward in the tire diameter direction than a reference position that is positioned outward in the tire diameter direction away from an outer rim end (2b) the outer rim end being positioned on the outside in the tire diameter direction of a rim contact surface and the distance between the outer rim end and the reference position being equal to the thickness (T1) of a bead part in the outer rim end.

No. of Pages: 33 No. of Claims: 8

(21) Application No.392/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :12/02/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : IRRIGATED ABLATION CATHETER HAVING IRRIGATION PORTS WITH REDUCED HYDRAULIC RESISTANCE

(51) International classification	:A61B19/00, A61B18/14	(71)Name of Applicant: 1)BIOSENSE WEBSTER (ISRAEL) LTD.
(31) Priority Document No	:13/789,574	Address of Applicant :4 HATNUFAH STREET, YOKNEAM
(32) Priority Date	:07/03/2013	20692, ISRAEL
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:NA	1)JEFFREY L. CLARK
Filing Date	:NA	2)JEFFRY TOLA
(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 irrigated ablation catheter includes a tip electrode with a thin shell and a plug to provide a plenum chamber. The tip electrode has an inlet of a predetermined size and noncircular shape, and outlets in the form of fluid ports formed in the thin shell wall. The plurality of the fluid ports is predetermined, as is their diameter. Each fluid port has a tapered configuration, for example, a frustoconical configuration, with a smaller inlet diameter and a larger outlet diameter.

No. of Pages: 63 No. of Claims: 12

(21) Application No.280/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: STABLE PHARMACEUTICAL COMPOSITION CONTAINING 8-[(3R)-3-AMINO-I-PIPERIDINYL]-7-(2-BUTYN-I-YL)-3,7-DI- - HYDRO-3-METHYL-I-[(4-METHYL-2-QUINAZOLINYL)METHYL]-IH-PURINE-2,6-DIONE OR A PHARMACEUTICALLY ACCEPTABLE SALT THEREOF

(51) International :A61K9/20,A61K31/155,A61K31/522

classification

(31) Priority Document No :12180257.3 (32) Priority Date :13/08/2012

(33) Name of priority

:EPO country

(86) International

:PCT/EP2013/066777 Application No :12/08/2013

Filing Date

(87) International

:WO 2014/026939 Publication No

(61) Patent of Addition to

:NA Application Number :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71) Name of Applicant:

1)SANDOZ AG

Address of Applicant :Lichtstrasse 35 CH 4056 Basel

Switzerland

(72) Name of Inventor:

1)SCHWARZ Franz X.

2)ANKER Georg

3)BACHER Johann

4)HOTTER Andreas

#### (57) Abstract:

The present invention relates to a stable pharmaceutical composition comprising amorphous or crystalline linagliptin or a pharmaceutically acceptable salt of linagliptin mannitol copovidone and magnesium stearate processes for preparing the stable pharmaceutical composition and a container comprising the stable pharmaceutical composition.

No. of Pages: 36 No. of Claims: 15

(22) Date of filing of Application :09/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : A SINGLE POT BIOMIMETIC PROCESS FOR THE SYNTHESIS OF COLLOIDAL COLLAGEN-GRAPHITE COMPOSITE

(51) International classification	:A61L	(71)Name of Applicant:
(31) Priority Document No	:NA	1)COUNCIL OF SCIENTIFIC & INDUSTRIAL
(32) Priority Date	:NA	RESEARCH
(33) Name of priority country	:NA	Address of Applicant : ANUSANDHAN BHAWAN, RAFI
(86) International Application No	:NA	MARG, NEW DELHI - 110 001, INDIA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SUPRABHA NAYAR
(61) Patent of Addition to Application Number	:NA	2)SOUMYA BHATTACHARYA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a biomimetic process in which colloidal collagen-graphite composites can be synthesized in a single step at ambient conditions. The process has several advantages; the composites are biocompatible, no toxic gases or by-products are produced and is water dispersible. The composites belong to a class of advanced functional materials which can be functionalized further very easily and which will be instrumental in fabricating composites with multifunctional use for both biomedical and engineering applications.

No. of Pages: 14 No. of Claims: 4

(21) Application No.367/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: POWER SYSTEM FOR A VEHICLE

(51) International classification :H02J7/16,B60L3/00,B60L7/10 (71)Name of Applicant : 1)DENSO CORPORATION (31) Priority Document No :2012178438 (32) Priority Date :10/08/2012 Address of Applicant: 1 1 Showa cho Kariya city Aichi (33) Name of priority country :Japan 4488661 Japan 2)SUZUKI MOTOR CORPORATION (86) International Application No :PCT/JP2013/071986 (72)Name of Inventor: Filing Date :09/08/2013 (87) International Publication No: WO 2014/025069 1)SAITO Shigenori (61) Patent of Addition to 2)KATAYAMA Naoki :NA **Application Number** 3)KATAOKA Jun :NA Filing Date 4)KOMADA Setsuko (62) Divisional to Application :NA Number :NA

#### (57) Abstract:

Filing Date

A power system for a vehicle is provided which includes a generator first and second batteries connected with the generator and a connection switch which is provided on a connection line electrically connecting the first and second batteries and which electrically connects and disconnects the first battery and the generator to/from the second battery. The power system performs regenerative generation by the generator when the vehicle decelerates. A terminal voltage of the first battery is made larger than that of the second battery. The power system further includes a first control means making the connection switch an electrically connected state to apply electrical charge to both the first and second batteries during regenerative generation by the generator a discharge monitor means monitoring a discharging state of the first battery during regenerative generation and a second control means disconnecting the connection switch based on the discharging state of the first battery.

No. of Pages: 34 No. of Claims: 8

(22) Date of filing of Application :14/02/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SPOT COMMUNICATION EQUIPMENT FOR VEHICLE

(51) International classification	:G08G	(71)Name of Applicant:
(31) Priority Document No	:2013-	1)HITACHI, LTD.
•	063196	Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(32) Priority Date (33) Name of priority country	:20/03/2013 :Japan	CHIYODA-KU, TOKYO 1008280, JAPAN (72)Name of Inventor:
(86) International Application No	:NA	1)MORITA KAZUKI
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:

For example, possible shaking of a vehicle varies positional relations between an on-board communication device and a ground communication device. In such a case, a magnetic field intensity of a signal from the ground communication device received by the on-board communication device may fluctuate across a threshold beyond which the onboard communication device determines that the vehicle has entered a communication range of the ground communication device and that the vehicle has exited the communication range. When this phenomenon occurs, the on-board communication device detects one ground communication device a plurality of times, thus hindering normal vehicle control. For a threshold of the magnetic field intensity for determining detection of the ground communication device, the onboard communication device has two types of thresholds for low speed traveling, that is, a first threshold that is a ground communication device entry side threshold and a second threshold that is a ground communication device exit side threshold. The thresholds thus have a hysteresis property that resists noise, thus preventing possible misdetection of the ground communication device during low speed traveling.

No. of Pages: 24 No. of Claims: 11

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : UP DRAWING CONTINUOUS CASTING APPARATUS AND UP DRAWING CONTINUOUS CASTING METHOD

(51) International classification	:B22D11/14,C30B15/24	(71)Name of Applicant:
(31) Priority Document No	:2012204463	1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(32) Priority Date	:18/09/2012	Address of Applicant: 1 Toyota cho Toyota shi Aichi ken 471
(33) Name of priority country	:Japan	8571 Japan
(86) International Application No	:PCT/IB2013/002129	(72)Name of Inventor:
Filing Date	:13/09/2013	1)NAKAJIMA Tetsuya
(87) International Publication No	:WO 2014/045115	2)FURUKAWA Yuichi
(61) Patent of Addition to Application	:NA	3)KATO Tsukasa
Number	:NA	4)MORITA Keiichi
Filing Date	.IVA	5)YAOKAWA Jun
(62) Divisional to Application Number	:NA	6)IWATA Yasushi
Filing Date	:NA	7)SUGIYAMA Yoshio

#### (57) Abstract:

An up drawing continuous casting apparatus includes a holding furnace that holds molten metal; a shape determining member that is arranged near a molten metal surface of a casting held in the holding furnace and that determines a sectional shape of the molten metal by the molten metal passing through the shape determining member; a cooling portion that cools and solidifies the molten metal that has passed through the shape determining member; and a molten metal cooling portion that lowers a temperature of the molten metal held in the holding furnace.

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

(21) Application No.3500/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :03/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : AN IMPROVED, CATALYST FREE, GREENER PROCESS FOR SYNTHESIS OFXANTHENEDIONES DERIVATIVES AND ANALOGUES THEREOF

(51) International classification	:C07D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)NATIONAL INSTITUTE OF PHARMACEUTICAL
(32) Priority Date	:NA	EDUCATION AND RESEARCH (NIPER)
(33) Name of priority country	:NA	Address of Applicant :a Society Registered under the Indian
(86) International Application No	:NA	laws, of Sector 67, S.A.S. Nagar, Punjab-160 062, India.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)ASIT KUMAR CHAKRABORTI
(61) Patent of Addition to Application Number	:NA	2)NAISARGEE PARIKH
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides an improved, eco-friendly and catalyst free process for selective synthesis of xanthenes-1,8(2H)-diones and analogues thereof of the general formula (A) from the cyclocondensation of aldehyde (I) with 1,3 diketone (II) in under milder reaction conditions

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

(21) Application No.360/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application:15/01/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention: PORTABLE PHOTOTHERAPY 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</li> </ul>	:12/03/2013 :WO 2014/018103 :NA :NA	(71)Name of Applicant:  1)BREZINSKI Donna J.  Address of Applicant: 176 Mystic Valley Parkway Winchester MA 01890 U.S.A. (72)Name of Inventor:  1)BREZINSKI Donna J.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Disclosed is a portable phototherapy device capable of emitting electromagnetic radiation of a wavelength and intensity sufficient to obtain a desired phototherapeutic effect to a subject without being in direct physical contact with said subject. The device is portable capable of being flattened folded rolled compressed or otherwise collapsed to a size smaller than that of its operating size. The device may be of any size or shape and may optionally comprise a frame support. The device may be powered by a variety of sources including one or more batteries. The device may be configured to deliver electromagnetic radiation sufficient to obtain one or more of a variety of desired phototherapeutic effects.

No. of Pages: 26 No. of Claims: 20

(22) Date of filing of Application :11/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: MULTI-VALUED BUTTON CONTROLS FOR GRAPHICAL USER INTERFACE

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)UNISYS CORPORATION
(32) Priority Date	:NA	Address of Applicant :C/O PATENT & TECHNOLOGY
(33) Name of priority country	:NA	LAW GROUP MS/2NW, 801 LAKEVIEW DRIVE, SUITE 100,
(86) International Application No	:NA	BLUE BELL, PA 19422, U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SATEESH MANDRE
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		•

#### (57) Abstract:

Systems and methods are disclosed herein to commanding a computer through a graphical user interface comprising displaying, by a computer, a multi-valued button on the graphical user interface; receiving, by a computer, an input from a peripheral device when a user activates the peripheral device in one of a plurality of manners; determining, by a computer, whether the input corresponds to the multi-valued button; determining, by a computer, whether the input matches a first manner of activating the peripheral device; performing, by a computer, a first command when the input matches the first manner of activating the peripheral device determining, by a computer, whether the input matches a second manner of activating the peripheral device; and performing, by a computer, a second command when the input matches the second manner of activating the peripheral device.

No. of Pages: 27 No. of Claims: 22

(22) Date of filing of Application :14/02/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: CHARGE AIR COOLER AND INTAKE MANIFOLD INCLUDING 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>	:F02M35/10, F02B29/04 :61/766031 :18/02/2013 :U.S.A. :NA :NA :NA :NA	(71)Name of Applicant:  1)MODINE MANUFACTURING COMPANY Address of Applicant:1500 DeKoven Avenue Racine, WI 53403-2552 U.S.A. (72)Name of Inventor: 1)STEVEN MESHENKY 2)JASON BRAUN 3)CHRISTOPHER MOORE
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#### (57) Abstract:

An air intake manifold for an engine includes an air inlet to receive a flow of compressed charge air, and multiple runners to deliver cooled compressed charge air to corresponding combustion cylinders of the engine. A charge air cooler is arranged within the intake manifold between the air inlet and the runners, and includes a first core section and a second core section. The first and second core sections are arranged fluidly in parallel with respect to the flow of compressed charge air, so that the charge air is divided into a first portion that is substantially directed through the first core section to a first subset of the runners, and a second portion that is substantially directed through the second core section to a second subset of the runners.

No. of Pages: 22 No. of Claims: 20

(21) Application No.165/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: RENEWABLE ENERGY ASSISTED PUMP SYSTEM •

# (57) Abstract:

A renewable energy assisted water pump system is disclosed. The renewable energy assisted pump having a solar panel for providing electricity to drive a submersible pump which helps to draw ground water a water tank to store the pumped water at least a pipe to supply the water from the water tank to the fields at least a controller for controlling the pump and at least a sensor for sensing the water level in the storage tank for an auto- cut off.

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

(21) Application No.165/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :07/01/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: METHOD AND DEVICE FOR MONITORING AN EXTRACORPOREAL BLOOD TREATMENT OF A PATIENT

(51) International :A61B5/00,A61B5/145,A61B5/1455

classification

(31) Priority Document No :12172251.6 (32) Priority Date :15/06/2012

(33) Name of priority country: EPO

(86) International :PCT/EP2013/062366

Application No :14/06/2013 Filing Date

(87) International Publication :WO 2013/186357

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71) Name of Applicant:

1)FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH

Address of Applicant :Else Krner Strae 1 61352 Bad Homburg

Germany

(72) Name of Inventor: 1)GAGEL Alfred

2)MAIERHOFER Andreas

#### (57) Abstract:

The present invention pertains to Method for monitoring a dialysis treatment of a patient preferably for monitoring a haemodialysis haemodiafiltration and/or peritoneal dialysis treatment of a patient the method including the steps of: irradiating a sample of a dialysis fluid used in the dialysis treatment with linearly polarized irradiation light; detecting the intensity of the fluorescence light emitted by the dialysis fluid in a first polarization plane; detecting the intensity of the fluorescence light emitted by the dialysis fluid in a second polarization plane which is different from the first polarization plane; determining the anisotropy of the fluorescence light emitted by the dialysis fluid; and determining the concentration of at least one fluorophore in the dialysis fluid on the basis of both the determined anisotropy and the intensity of the fluorescence light emitted by the dialysis fluid.

No. of Pages: 34 No. of Claims: 21

(22) Date of filing of Application :09/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: CATALYST AND METHOD FOR REMOVING OXYGEN FROM HYDROCARBON FLOWS

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:B01J29/76,B01J37/02,B01J35/04 :12174717.4 :03/07/2012 :EPO :PCT/EP2013/063887 :02/07/2013 :WO 2014/006017 :NA :NA	(71)Name of Applicant: 1)BASF SE Address of Applicant:67056 Ludwigshafen Germany (72)Name of Inventor: 1)REZAI Alireza 2)AVERLANT Gauthier Luc Maurice 3)KUBANEK Petr 4)DIETERLE Martin 5)HEIDEMANN Thomas
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The catalyst contains on zeolite A as the carrier 0.01 to 0.5% by weight of platinum in relation to the catalyst and where applicable tin wherein the weight ratio of Sn:Pt is 0 to 10.

No. of Pages: 12 No. of Claims: 11

(22) Date of filing of Application :09/01/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: DIRECT TIMING SYSTEM FOR INTERNAL COMBUSTION ENGINE

:F01L9/02,F01L9/04,F02B75/18 (71)Name of Applicant : (51) International classification (31) Priority Document No :2012/403

(32) Priority Date :18/06/2012 (33) Name of priority country :Belgium

(86) International Application No:PCT/BE2013/000029

Filing Date :17/06/2013

(87) International Publication No: WO 2013/188932

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

1)BOECK Fransois

Address of Applicant : Rue Verte 73 B 1210 Saint Josse ten

Noode Belgium

(72) Name of Inventor: 1)BOECK Fran
§ois

2)SANTIAGO MUNOZ, Alfonso

#### (57) Abstract:

The object of this invention is to simplify the timing system of all types of internal combustion engine. The system eliminates existing conventional timing trains. The hydraulic mechanical or electrical/electronic direct timing systems that form the subject of the invention offer minimal resistance and minimal transmission. The piston strokes are given directly by the crankshaft by means of a system fixed thereto which via a mechanical or hydraulic or electrical or electronic system transmits the strokes to the cylinder valves. The system can be connected to all types of indirect transmission and has adjusting systems that allow it to be adapted to suit all types of internal combustion engine.

No. of Pages: 16 No. of Claims: 10

(21) Application No.462/DEL/2014 A

(19) INDIA

(22) Date of filing of Application: 18/02/2014 (43) Publication Date: 12/06/2015

# (54) Title of the invention: IMPROVED RADIOPAQUE MARKER FOR VASCULAR DEVICES

(51) International classification (31) Priority Document No	:A61F2/91 :13/793,474	(71)Name of Applicant: 1)DEPUY SYNTHES PRODUCTS LLC
(32) Priority Date	:11/03/2013	Address of Applicant :325 PARAMOUNT DRIVE,
(33) Name of priority country	:U.S.A.	RAYNHAM, MA 02767, U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)JUAN A. LORENZO
(87) International Publication No	: NA	2)HUSSEIN GIRNARY
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A marker to assist locating a device such as an expandable stent within vasculature of a patient, including an elongated body formed of a biocompatible radiopaque material that enhances locating the marker when using at least one imaging technique. The body has a first end, a second end, an inner surface, an outer surface, and at least two opposing edges extending between the first and second ends and establishing a boundary between the inner surface and the outer surface. The inner surface of the body defines a passageway extending between the first and second ends. In a first condition, the body defines a gap between the at least two opposing edges, the gap enabling unobstructed communication of the passageway with the outer surface of the body. In a second condition, the gap is obstructed to substantially prevent communication of the passageway with the outer surface of the body.

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

(21) Application No.315/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: BANKBOOK ISSUING 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> <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>	:G07D9/00 :NA :NA :NA :PCT/JP2012/082100 :11/12/2012 :WO 2014/091564 :NA :NA :NA	(71)Name of Applicant:  1)HITACHI OMRON TERMINAL SOLUTIONS CORP. Address of Applicant: 6 3 Osaki 1 chome Shinagawa ku Tokyo 1418576 Japan (72)Name of Inventor: 1)HAMA Kazuhiro 2)INOUE Masashi
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#### (57) Abstract:

Provided is a bankbook issuing mechanism that issues bankbooks by feeding the bankbooks one by one from a feed opening of a storage unit that stores the bankbooks in a state where a back bulge part is facing towards the rear and the pages are opened and the mechanism is provided with the following: a first roller that is disposed near the feed opening; a second roller disposed near the back bulge part of the bankbooks which are stored in the storage unit; a pressing force unit for imparting a pressing force to the bankbooks; and a control unit for rotating a first pickup roller and a second pickup roller and feeding the bankbooks which were subjected to a pressing force by the pressing force unit out from the feed opening one by one.

No. of Pages: 24 No. of Claims: 7

(21) Application No.325/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SELECTIVE CATALYTIC DEOXYGENATION OF BIOMASS AND CATALYSTS THEREFOR

` '	:C10G1/02,B01J21/16,B01J23/00	(71)Name of Applicant:
(31) Priority Document No	:61/681064	1)ALBEMARLE EUROPE SPRL
(32) Priority Date	:08/08/2012	Address of Applicant :Rue du Bosquet 9 B 1348 Louvain la
(33) Name of priority country	:U.S.A.	Neuve Sud Belgium
(86) International Application	:PCT/EP2013/066532	(72)Name of Inventor:
No	:07/08/2013	1)VASIC Milena
Filing Date	.07/08/2013	2)KOCH Melle
(87) International Publication	:WO 2014/023758	3)PRONK Martinus Henricus
No	:WO 2014/023738	4)VAN DEN OETELAAR Leonardus Cornelis Albertus
(61) Patent of Addition to	:NA	5)VAN DUREN Ruben
Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application	:NA	
Number		
Filing Date	:NA	

#### (57) Abstract:

This invention provides new effective pyrolysis catalysts adapted for use in pyrolysis of biomass to the preparation of such catalysts and to the use of such catalysts in the pyrolysis of biomass in the absence of added air added molecular oxygen and added molecular hydrogen and liquids such as water. The catalysts are layered HTCs and related materials which are impregnated with specified pairs of metals which impregnated layered HTCs and related materials have been calcined in air at elevated temperatures.

No. of Pages: 34 No. of Claims: 20

(21) Application No.386/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SYSTEMS AND METHODS FOR WASTE TREATMENT

(51) International classification :C02F3/08,C02F3/12,C02F3/32 (71)Name of Applicant : (31) Priority Document No 1)AQUANOS ENERGY LTD. :61/673532 Address of Applicant :4 Hadekel Street 4298400 Shoshanat (32) Priority Date :19/07/2012 (33) Name of priority country HaAmakin Israel :U.S.A. (86) International Application No :PCT/IL2013/050611 (72)Name of Inventor: Filing Date :17/07/2013 1)BLANC Remv (87) International Publication No :WO 2014/013494 2)LESHEM Ehud (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA

#### (57) Abstract:

Filing Date

Systems and methods for aerobically processing waste in which an aerobic bioreactor is in selective fluid communication with a source of oxygen rich liquid medium. The aerobic bioreactor is configured for aerobically processing waste via bacteria fixed on media to provide processed effluent from the waste. The source of oxygen rich liquid medium is different from the aerobic bioreactor.

No. of Pages: 77 No. of Claims: 113

(21) Application No.456/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :18/02/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: STENT DELIVERY 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</li></ul>	:13/792,466 :11/03/2013	(71)Name of Applicant:  1)DEPUY SYNTHES PRODUCTS LLC Address of Applicant: 325 PARAMOUNT DRIVE, RAYNHAM, MA 02767, U.S.A. (72)Name of Inventor:
Filing Date	:NA	1)ROBERT SLAZAS
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	2)JUAN A. LORENZO
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A system is provided to effectively position a stent within a vessel. The system includes a delivery catheter and a core wire extend through the catheter. The core wire includes an engaging surface region and a capture member disposed thereon, which cooperate to engage a stent such that the stent is able to be advanced or refracted with the advancement or refraction of the core wire. The engaging surface region and the capture member can generally be configured to engage the stent when a portion of the stent is disposed within the lumen of the catheter, and release the stent when no portion of the stent is within the lumen.

No. of Pages: 29 No. of Claims: 20

(21) Application No.471/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :18/02/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: DELIVERY SYSTEM FOR EXPANDABLE STENTS

(51) International classification (31) Priority Document No (32) Priority Date	:13/801,905 :13/03/2013	Address of Applicant :325 PARAMOUNT DRIVE,
(33) Name of priority country (86) International Application No	:U.S.A. :NA	RAYNHAM, MA 02767 U.S.A. (72)Name of Inventor:
Filing Date	:NA	1)HUSSEIN H. GIRNARY
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	2)ARIEL SOTODELVALLE 3)JUAN A. LORENZO
Filing Date	:NA	4)PETER FORSYTHE
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system for delivering and releasing a self-expanding stent includes a catheter, a tubular self-expanding stent configured to be constrained from expanding when the tubular self- expanding stent is contained within the catheter, and a core advancement wire disposed within and extending through a lumen of the tubular self-expanding stent. One or more stop members on the core advancement wire engage one or more anchor members on the stent when the core advancement wire is translated longitudinally toward the one or more anchor members.

No. of Pages: 20 No. of Claims: 18

(21) Application No.356/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: NOVEL POLYAMIDE PREPARATION PROCESS THEREFOR AND USES THEREOF

(51) International classification (31) Priority Document No	:C08G69/26 :PCT/CN2012/078918	(71)Name of Applicant: 1)RHODIA OPERATIONS
(32) Priority Date	:20/07/2012	Address of Applicant :25 rue de Clichy F 75009 Paris France
(33) Name of priority country	:China	(72)Name of Inventor:
(86) International Application No	:PCT/EP2013/064581	1)JEOL Stphane
Filing Date	:10/07/2013	2)DECAMPO Floryan
(87) International Publication No	:WO 2014/012829	3)ZHU Leon
(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 novel polyamide synthesized from biobased monomers. The novel polyamide comprises the repeating unit of formula (I) below: Formula (I) in which R represents a covalent bond or a divalent hydrocarbon based chosen from saturated or unsaturated aliphatics saturated or unsaturated cycloaliphatics aromatics arylaliphatics and alkylaromatics. The present invention also relates to the process for preparing the said polyamide to its uses and to articles and compositions comprising the polyamide.

No. of Pages: 27 No. of Claims: 14

(21) Application No.366/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/01/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: DRIVE DEVICE AND CORRESPONDING ROTARY FURNACE

<ul> <li>(51) International classification</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>	:F27B7/26 :12 56912 :17/07/2012 :France :PCT/EP2013/064738 :11/07/2013 :WO 2014/012850 :NA :NA	(71)Name of Applicant:  1)FERRY CAPITAIN  Address of Applicant: Bussy F 52300 Vecqueville France (72)Name of Inventor:  1)PRUNIER Jean Baptiste
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a drive device and corresponding rotary furnace. Said drive device (6) is suitable for transmitting drive torque to the combustion chamber of a rotary furnace. The drive device (6) includes a drive ring gear (8) suitable for being attached to the combustion chamber. At least a portion of the drive ring gear (8) is made of cast iron.

No. of Pages: 7 No. of Claims: 6

(21) Application No.376/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/01/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: PHARMACEUTICAL COMBINATIONS OF A CDK4/6 INHIBITOR AND A B RAF INHIBITOR

(51) International :A61K31/4184,A61K31/506,A61K31/519 classification

(31) Priority Document :61/676134

:26/07/2012 (32) Priority Date (33) Name of priority :U.S.A.

country

(86) International

:PCT/US2013/051990 Application No :25/07/2013

Filing Date

(87) International :WO 2014/018725 Publication No

(61) Patent of Addition :NA to Application Number :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71) Name of Applicant: 1)NOVARTIS AG

Address of Applicant: Lichtstrasse 35 CH 4056 Basel

Switzerland

(72) Name of Inventor:

1)CAPONIGRO Giordano

2)STUART Darrin 3)KIM Sunkyu 4)LOO Alice 5)DELACH Scott

#### (57) Abstract:

A pharmaceutical combination comprising (a) CDK4/6 inhibitor (b) a B Raf inhibitor and optionally (c) a MEK 1/2 inhibitor; combined preparations and pharmaceutical compositions thereof; the uses of such combination in the treatment of proliferative diseases; and methods of treating a subject suffering from a proliferative disease comprising administering a therapeutically effective amount of such combination.

No. of Pages: 27 No. of Claims: 15

(21) Application No.489/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :20/02/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: GEAR CHANGE PEDAL MECHANISM

(51) International classification	:F16H, B60T	(71)Name of Applicant: 1)HONDA MOTOR CO., LTD.
(31) Priority Document No	:2003- 036412	Address of Applicant :1-1, MINAMIAOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN
(32) Priority Date	:14/02/2003	(72)Name of Inventor:
(33) Name of priority country	:Japan	1)YOHEI MAKUTA
(86) International Application No	:NA	2)KYOHEI UEDA
Filing Date	:NA	3)YUKIO MIYAMARU
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:	
Filed on	:01/01/1900	

#### (57) Abstract:

A gear change pedal mechanism (10) including a sensor (125b) for detecting the fact that an operator operates a gear change pedal (18) with a foot thereof, characterized in that said gear change pedal mechanism (10) comprises click generating means (150) for generating a click feeling of a gear change when said gear change pedal (18) is operated for the gear change, said click generating means (150) includes a ball member (168) and an engaging portion with which said ball member (168) is engaged when said gear change pedal (18) lies at a center position, and, when a gear change is made by operating said gear change pedal (18), said ball member is released from said engaging portion and thereafter again engaged with said engaging portion, whereby said click generating means (150) generates a click sound and a vibration, and said ball member (168) is displaced integrally with said gear change pedal (18) with a shaft portion (158) as a center by operating said gear change pedal (18), said shaft portion (158) being a rotating shaft of said gear change pedal (18).

No. of Pages: 76 No. of Claims: 9

(22) Date of filing of Application :25/02/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: IMPROVED CATHETER STIFFNESS ADJUSTEMNT SYSTEM AND METHOD

(51) International classification	:A61B1/00	(71)Name of Applicant:
(31) Priority Document No	:13/799,821	1)DEPUY SYNTHES PRODUCTS, LLC
(32) Priority Date	:13/03/2013	Address of Applicant :325 PARAMOUNT DRIVE,
(33) Name of priority country	:U.S.A.	RAYNHAM, MA 02767, U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)EDWARD ARGUELLO
(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	
(75)		-

#### (57) Abstract:

A catheter stiffener adjustment system including a first member with an outer diameter and having at least three first segments with at least one joint enabling the segments to bend relative to each other, and a second member having an inner diameter defining a passageway through which the first member is movable relative to the second member. The second member has at least three second segments with at least one joint enabling the segments to bend relative to each other. In a first position, the first segments and the second segments are alignable substantially in phase to generate a first flexure condition. In a second position, the first segments and the second segments are alignable substantially out of phase to generate a second, stiffer flexure condition.

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

(21) Application No.347/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: CATALYST LAYER FOR ANION EXCHANGE MEMBRANE FUEL CELLS MEMBRANE ELECTRODE ASSEMBLY ANION EXCHANGE MEMBRANE FUEL CELL USING MEMBRANE ELECTRODE ASSEMBLY AND METHOD FOR OPERATING ANION EXCHANGE MEMBRANE FUEL CELL

	:H01M4/86,H01B1/06,H01M8/10	
(31) Priority Document No	:2012161240	1)TOKUYAMA CORPORATION
(32) Priority Date	:20/07/2012	Address of Applicant: 1 1 Mikage cho Shunan shi Yamaguchi
(33) Name of priority country	:Japan	7458648 Japan
(86) International Application	:PCT/JP2013/068300	(72)Name of Inventor:
No		1)CHIKASHIGE Youhei
Filing Date	:03/07/2013	2)FUKUTA Kenji
(87) International Publication	:WO 2014/013879	3)YAMAGUCHI Masao
No	.WO 2014/013879	4)KIKKAWA Yuki
(61) Patent of Addition to	:NA	
Application Number		
Filing Date	:NA	
(62) Divisional to Application	.NI A	

#### (57) Abstract:

Filing Date

Number

The present invention provides: (1) a catalyst layer for anion exchange membrane fuel cells which comprises a catalyst and a non crosslinked hydrocarbon anion exchange resin that has an anion exchange capacity of 1.8 3.5 mmol/g; (2) a membrane electrode assembly for anion exchange membrane fuel cells which comprises a hydrocarbon anion exchange membrane and the catalyst layer; and (3) an anion exchange membrane fuel cell which is provided with the membrane electrode assembly.

No. of Pages: 85 No. of Claims: 7

:NA

:NA

(21) Application No.357/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 15/01/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: LUBRICANT COMPOSITION

(51) International :C10M129/74,C10M129/76,C10N30/06 classification

(31) Priority Document :1256208

(32) Priority Date :29/06/2012 (33) Name of priority :France

country

(86) International

:PCT/EP2013/063669 Application No :28/06/2013

Filing Date

(87) International

:WO 2014/001521 Publication No

:NA

(61) Patent of Addition to :NA **Application Number** Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)TOTAL MARKETING SERVICES

Address of Applicant :24 Cours Michelet F 92800 Puteaux

France

(72) Name of Inventor:

1)IOVINE Raphaele 2)PIZARD Carine

3)MARECHAL Philippe

## (57) Abstract:

The prsent invention concerns a lubricant composition comprising: at least one base oil; and at least two glycerol esters E i and E2, ester E i being an ester of glycerol and of a Cn- C2 carboxylic acid and ester E2 being an ester of glycerol and of a -C 10 carboxylic acid. The lubricant composition has good friction properties, and the use thereof o promotes fuel savings.

No. of Pages: 25 No. of Claims: 18

(22) Date of filing of Application :15/01/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: METHOD FOR REMOVING AN ESTER FROM A VAPOR MIXTURE

:NA

:B01D53/14,B01D53/96 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)SULZER CHEMTECH AG :12177650.4 (32) Priority Date Address of Applicant :Sulzerallee 48 CH 8404 Winterthur :24/07/2012 (33) Name of priority country :EPO Switzerland (86) International Application No :PCT/EP2013/058394 (72) Name of Inventor: Filing Date :23/04/2013 1)DNNENBERGER Daniel (87) International Publication No :WO 2014/015999 2)LOVIAT Fran
§ois (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA

#### (57) Abstract:

Filing Date

A method for the removal of an ester (3) from a vapor mixture (5) containing the ester (3) is disclosed. The method comprises the steps of by bringing the vapor (5) mixture (5) into contact with an aqueous solution (6) containing the acid (4) corresponding to the ester (3) wherein a portion of the ester (3) is dissolved in or otherwise transferred to the aqueous solution (6) and the aqueous solution (6) is after the contact led in a circulation (73) the aqueous solution (6) is processed in the circulation (73) in a process comprising: a heating step (240) a (10) reaction step (250) having a residence time and a temperature a cooling step (260) wherein the heating step (240) precedes the reaction step (250) the reaction step (250) precedes the cooling step (260) and the residence time and the temperature in the reaction step (250) are sufficient to substantially reduce the content of the ester (3) in the aqueous solution (6). The invention further (15) relates to an apparatus (1) for carrying out said process. The present invention further relates also to the use of the apparatus (1) in the method of the invention preferably in the production of a lactide (13) or a polylactic acid polymer (12).

No. of Pages: 39 No. of Claims: 15

(21) Application No.458/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :18/02/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: BRAIDED STENT WITH EXPANSION RING AND METHOD OF 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</li> </ul>	:13/802,114 :13/03/2013	l '
Filing Date	:NA	1)ROBERT SLAZAS
(87) International Publication No	: NA	2)RAMIN TEHRANI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A self-expanding braided stent includes at least a distal radial expansion ring added to a distal end of the stent body to increase a radial expansion force of the self-expanding braided stent in deployment of the stent, and to facilitate advancement of the stent through a delivery sheath by a core advancement wire. A proximal radial expansion ring is optionally added to a proximal end of the stent body to allow the stent to be recaptured following partial deployment by retraction of the core advancement wire, prior to full deployment of a proximal portion of the stent body.

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

(21) Application No.537/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :26/02/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: ORTHOPAEDIC TIBIAL PROSTHESIS HAVING TIBIAL AUGMENTS

<ul> <li>(51) International classification</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>	:A61F2/38 :13/828,937 :14/03/2013 :U.S.A. :NA :NA :NA	Address of Applicant :LOUGHEG INDUSTRIAL ESTATE, RINGASKIDDY, CO CORK, IRELAND (72)Name of Inventor: 1)MICHAEL A. COOK 2)STEPHANIE M. WAINSCOTT
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>		2)STEPHANIE M. WAINSCOTT 3)TYLER S. HATHAWAY
Filing Date (62) Divisional to Application Number	:NA :NA	4)JOSEPH G. WYSS
Filing Date	:NA	

#### (57) Abstract:

A tibial orthopaedic prosthesis assembly for use during performance of a knee replacement procedure includes one or more tibial augments configured to be coupled to a tibial tray. Each tibial augment includes an exterior side surface of varying angulation relative to a top surface of the tibial augment.

No. of Pages: 37 No. of Claims: 20

(21) Application No.258/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :12/01/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: METHOD FOR PRODUCING A GUIDE VANE AND GUIDE VANE

<ul> <li>(51) International classification</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>	:10 2012 213 017.9 :25/07/2012 :Germany	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: Wittelsbacherplatz 2 80333 M ¹ / ₄ nchen Germany (72)Name of Inventor: 1)H,,NDLER Michael
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

#### (57) Abstract:

A method for producing a turbine vane (130) with a vane airfoil (149) and a vane root (145) is intended to achieve a higher efficiency for a turbine. To this end the method comprises the steps: a) production of a vane airfoil (149) and a vane root (145) as separate parts; b) introduction of a cooling air opening (151) into the vane airfoil (149); and c) joining the vane airfoil (149) and vane root (145) together after step b).

No. of Pages: 19 No. of Claims: 8

(21) Application No.291/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :13/01/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: POLYMER BELLOWS SPRING

(51) International classification	:F16K15/02,F16K15/12	(71)Name of Applicant:
(31) Priority Document No	:61/665630	1)SAINT GOBAIN PERFORMANCE PLASTICS
(32) Priority Date	:28/06/2012	CORPORATION
(33) Name of priority country	:U.S.A.	Address of Applicant :1199 South Chillicothe Road Aurora
(86) International Application No	:PCT/US2013/047621	Ohio 44202 U.S.A.
Filing Date	:25/06/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/004511	1)NGUYEN Hy B.
(61) Patent of Addition to Application	:NA	2)DINH Thuan An
Number	:NA	3)ARELLANO Carlos E.
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A spring for use in a check valve is formed from a single piece of a polymeric material and includes a proximal end a distal end and a body positioned between the proximal end and the distal end. The body includes a wall a proximal opening on the wall and a distal opening on the wall and a bellows between the proximal opening and the distal opening. Further included is a process of forming the spring.

No. of Pages: 20 No. of Claims: 24

(21) Application No.3587/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :10/12/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: WHEEL CHAIR CUM CAR SEAT SYSTEM AND METHOD FOR PREPARATION THEREOF

:A61G	(71)Name of Applicant:
:NA	1)AMITY UNIVERSITY
:NA	Address of Applicant : AMITY UNIVERSITY CMAPUS,
:NA	SECTOR-125, NOIDA-201303, Uttar Pradesh India
:NA	(72)Name of Inventor:
:NA	1)GAURAV GUPTA
: NA	
:NA	
:NA	
:NA	
:NA	
	:NA :NA :NA :NA :NA :NA :NA :NA

#### (57) Abstract:

The present invention relates to wheelchair for transportation of disabled person. The wheelchair comprises forks mounted on horizontal rails, collapsible wheel assembly and pneumatic system for retraction and expansion of wheel assembly. The advantage of this wheel chair cum car seat is that passenger can convert hislher wheelchair to car seat with very less effort. Passenger can go to the market, shopping malls and office on the same wheelchair and can sit in car with the same wheelchair as car seat without requiring changeovers. Only a standard car passenger seat has to be detached from vehicle.

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

(22) Date of filing of Application :15/01/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: LENS PRECURSOR WITH FEATURES FOR THE FABRICATION OF AN OPHTHALMIC LENS

(51) International classification	:B29C67/00,B29D11/00	(71)Name of Applicant:
(31) Priority Document No	:61/665973	1)JOHNSON & JOHNSON VISION CARE INC.
(32) Priority Date	:29/06/2012	Address of Applicant :7500 Centurion Parkway Jacksonville
(33) Name of priority country	:U.S.A.	Florida 32256 U.S.A.
(86) International Application No	:PCT/US2013/048572	(72)Name of Inventor:
Filing Date	:28/06/2013	1)WILDSMITH Christopher
(87) International Publication No	:WO 2014/005020	2)WIDMAN Michael
(61) Patent of Addition to Application	:NA	3)POWELL Mark P.
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method of designing a lens precursor form (105B) comprising defining a lens precursor form design the design including a lens edge (HOB) that defines the outer perimeter of the lens precursor form; a plurality of lens features selected from the group consisting of a lens edge feature that is present along at least part of the lens edge an optic zone (125B) that is present within the outer perimeter of the lens precursor form a stabilization zone feature (115B) that is present within the outer perimeter of the lens precursor form and a volumator feature (120B) that is present within the outer perimeter of the lens precursor form between at least two of the said plurality of lens features; wherein each of the lens features is parametrically defined and wherein the parameters defining at least one lens feature are selected based at least in part upon the parameters defining one or more adjacent lens features and a desired lens shape.

No. of Pages: 77 No. of Claims: 51

(22) Date of filing of Application :26/02/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: SWITCHED MODE POWER CONVERTER CONTROLLER WITH RAMP TIME MODULATION

<ul><li>(51) International classification</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>	:H02M3/335 :13/800,769 :13/03/2013 :U.S.A. :NA	(71)Name of Applicant: 1)POWER INTEGRATIONS, INC. Address of Applicant:5245 HELLYER AVENUE, SAN JOSE, CA 95138, U.S.A. (72)Name of Inventor:
* *		
Filing Date	:NA	1)BALU BALAKRISHNAN
(87) International Publication No	: NA	2)ROLAND SYLVERE SAINT-PIERRE
(61) Patent of Addition to Application Number	:NA	3)GIAO MINH PHAM
Filing Date	:NA	4)LANCE M. WONG
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A controller for use in a power converter includes a drive circuit coupled to generate a drive signal to control switching of a power switch to control a transfer of energy from a power converter input to a power converter output. The controller also includes an input for receiving an enable signal including enable events responsive to the power converter output. The drive circuit is coupled to turn ON the power switch in response to the enable events and turn OFF the power switch in response to a power switch current reaching a current limit threshold. A current limit threshold generator is coupled to receive the drive signal from the enable events of the enable signal. The current limit threshold may be a ramp signal and the ramp signal along with the time between enable events may be used to modulate the drive signal.

No. of Pages: 55 No. of Claims: 40

(21) Application No.3540/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :06/12/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: SUPAKU: A FLASH WEB BASED APPLICATION

:G06F	(71)Name of Applicant:
:NA	1)MARS INDUSTRIES PVT. LTD.
:NA	Address of Applicant : A-88 ROAD NO.2, MAHIPALPUR
:NA	EXTN., NEW DELHI - 110037 INDIA
:NA	(72)Name of Inventor:
:NA	1)RAJESH KUMAR BANSAL
: NA	
:NA	
:NA	
:NA	
:NA	
	:NA :NA :NA :NA :NA :NA :NA :NA

#### (57) Abstract:

The present invention relates to the method of implementing a flash-based three dimensional representations of components through a web application; wherein the said application is completely novel in its graphical user interface and functionality. The method herein depicts a novel approach for providing the virtual three dimensional representation facilities for end user to get familiarized with full three dimensional views of different components.

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

(21) Application No.3541/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :06/12/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: HYDRAULIC BICYCLE

(51) International classification	:F16H	(71)Name of Applicant:
(31) Priority Document No	:NA	1)PRAKASH SINGH
(32) Priority Date	:NA	Address of Applicant :F(P)-50, GANGA NAGAR,
(33) Name of priority country	:NA	MAWANA ROAD, MEERUT PIN-250001 Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PRAKASH SINGH
(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:

Hydraulic bicycle sustain the application of hydraulic accelerator to provide the maximum power output with minimum power input .Hydraulic bicycle classified in two group manual and automatic, in case manual input given by men power while in automatic input given by engine or motor

No. of Pages: 11 No. of Claims: 4

(21) Application No.384/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :11/02/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: HETEROSTRUCTURE POWER TRANSISTOR WITH ALSIN PASSIVATION LAYER

(51) International classification	:H01L29/66, H01L29/778	(71)Name of Applicant: 1)POWER INTEGRATIONS, INC.
(31) Priority Document No	:13/780,192	Address of Applicant :5245 HELLYER AVENUE, SAN
(32) Priority Date	:28/02/2013	JOSE, CA 95138, U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:NA	1)JAMAL RAMDANI
Filing Date	:NA	2)MICHAEL MURPHY
(87) International Publication No	: NA	3)JOHN PAUL EDWARDS
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(5-5)		•

#### (57) Abstract:

A heterostructure semiconductor device includes a first active layer and a second active layer disposed on the first active layer. A two-dimensional electron gas layer is formed between the first and second active layers. An AISiN passivation layer is disposed on the second active layer. First and second ohmic contacts electrically connect to the second active layer. The first and second ohmic contacts are laterally spaced-apart, with a gate being disposed between the first and second ohmic contacts.

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

(12) I ATENI ALI LICATION I OBLICATION

(22) Date of filing of Application :15/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: WAVE POWER CONVERTER

<ul> <li>(51) International classification</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>	:F03B13/18 :PA 2012 70344 :20/06/2012 :Denmark :PCT/DK2013/050202 :20/06/2013 :WO 2013/189500	(71)Name of Applicant:  1)SUBCPARTNER HOLDING APS Address of Applicant: Kogade 1 A, DK-6700 Esbjerg Denmark (72)Name of Inventor: 1)WIGANT Lars
<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	

(21) Application No.384/DELNP/2015 A

#### (57) Abstract:

(19) INDIA

A wave power converter including a wave power converter housing with a bottom and a top between which there is a distance limiting structure and through which there is a central axis and wherein entirely or partially outside the wave power converter housing there is at least one preferably elongated paddle having a longitudinal direction of a first generatrix and a lower end and an upper end and which via a first connection to a first power converter with a rotary axis at an angle preferably at right angles to the central axis and fastened to the wave power converter housing at the top. The first power converter interacts via at least one piston rod with at least one second power converter as a first end of the piston rod via a flexible joint is fastened to the first power converter and as a second end of the piston rod has a piston adapted for a linear movement along a second generatrix in the at least one second power converter which includes a linear chamber surrounded by a chamber casing upon which is provided a rotatable and pivotable connection to the wave power converter housing at the bottom in continuation of the second generatrix.

No. of Pages: 22 No. of Claims: 11

(22) Date of filing of Application :27/02/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: FIXED-BEARING KNEE PROSTHESIS HAVING INTERCHANGEABLE 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> <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>	:A61F2/38 :13/788,921 :07/03/2013 :U.S.A. :NA :NA :NA :NA :NA :NA	l ' '
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#### (57) Abstract:

A fixed-bearing prosthesis includes a femoral component having a medial condyle surface and a lateral condyle surface. The knee prosthesis also includes a bearing having a medial bearing surface configured to articulate with the medial condyle surface of the femoral component, and a lateral bearing surface configured to articulate with the lateral condyle surface of the femoral component. A tibial tray is secured to the bearing. The tibial tray has a platform with an elongated stem extending downwardly from a lower surface thereof. A posterior buttress extends along a posterior section of the perimeter of the trays platform, and an anterior buttress extends along an anterior section of the perimeter of the trays platform. Differently-sized tibial trays are interchangeable with differently-sized bearings.

No. of Pages: 53 No. of Claims: 19

(22) Date of filing of Application :05/12/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: REDUCING ENERGY CONSUMPTION OF SMALL CELL DEVICES

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ALCATEL LUCENT
(32) Priority Date	:NA	Address of Applicant :3, avenue Octave Grard 75007, Paris
(33) Name of priority country	:NA	France
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KARKERA, Kiran
(87) International Publication No	: NA	2)CHELLA, Rakesh
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Method(s) and system(s) for reducing energy consumption of small cell devices (110) are disclosed. The method may include receiving a predicted usage state of a cluster comprising at least one small cell device (110). The cluster is formed based on a pattern of usage and the predicted usage state is indicative of information relating to operation of the at least one small cell device (110). The method may further include determining an action to be taken for the cluster based on the predicted usage state. The action relates to one of maintaining and changing an operational state of the at least one small cell device (110).

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

(21) Application No.374/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: IMPREGNATION PROCESS FOR A FIBROUS SUBSTRATE A LIQUID (METH) ACRYLIC SYRUP FOR THE IMPREGNATION PROCESS ITS METHOD OF POLYMERIZATION AND STRUCTURED ARTICLE OBTAINED **THEREOF** 

(51) International

:B29C70/48,C08J5/04,C08F265/06

classification

:1256929

(31) Priority Document No (32) Priority Date

:18/07/2012

(33) Name of priority country: France (86) International Application

:NA

:NA

:NA

:NA

:PCT/EP2013/065218

Filing Date

:18/07/2013

(87) International Publication :WO 2014/013028

(61) Patent of Addition to

**Application Number** Filing Date

(62) Divisional to Application Number

Filing Date

(71) Name of Applicant: 1)ARKEMA FRANCE

Address of Applicant :420 Rue dEstienne dOrves F 92700

Colombes France

(72) Name of Inventor:

1)GERARD Pierre

2) CAUCHOIS (POLE PLASTURGIE DE LEST) Jean

Pierre

3)HOCHSTETTER Gilles

4)GLOTIN Michel

5)PERRIN Camille

6)FRANCOIS Gilles

#### (57) Abstract:

The present invention relates to an impregnation process for a fibrous substrate a liquid composition for implementing this process and the obtained impregnated fibrous substrate. The impregnated fibrous substrate is suitable for manufacturing mechanical or structured parts or articles. In particular the present invention deals with an industrial process for impregnating a fibrous substrate or long fibers with a viscous liquid composition containing mainly methacrylic or acrylic components. This viscous composition is called hereafter liquid (meth) acrylic syrup. The invention concerns also a fibrous substrate pre impregnated with said syrup which is useful for manufacturing mechanical or structured parts or articles. More particular the impregnation of fibrous substrate with the (meth) acrylic syrup is achieved in a closed mould. The present invention concerns also manufacturing process for manufacturing mechanical or structured parts or articles and three dimensional mechanical or structured parts obtained by this process.

No. of Pages: 31 No. of Claims: 34

(21) Application No.518/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :25/02/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: IMPROVED MODIFIABLE OCCLUSION 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> </ul>	A61B17/12 :13/798,818 :13/03/2013 :U.S.A. :NA :NA	Address of Applicant :325 PARAMOUNT DRIVE, RAYNHAM, MA 02767 U.S.A. (72)Name of Inventor: 1)KIRK JOHNSON 2)JUAN A. LORENZO
· /		
	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:NA	1)KIRK JOHNSON
Filing Date	:NA	2)JUAN A. LORENZO
(87) International Publication No	: NA	3)ROBERT SLAZAS
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An occlusive device suitable for endovascular treatment of an aneurysm in a region of a parent vessel in a patient, including a structure having a pre-established pore features and having dimensions suitable for insertion into vasculature of the patient to reach the region of the aneurysm in the parent vessel. The device further includes a frangible material associated with the pore features which initially provides a substantial barrier to flow through the frangible material and is capable of at least one of localized rupturing and localized eroding, in the presence of a pressure differential arising at an ostium of a perforator vessel communicating with the parent vessel, within an acute time period to minimize ischemia downstream of the perforator vessel.

No. of Pages: 22 No. of Claims: 31

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

(54) Title of the invention: TURBO-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 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>	:A61M 11/00 :10 2009 030 185.2 :24/06/2009 :Germany :PCT/DE2010/000715 :23/06/2010 :WO 2010/149144 :NA :NA :NA	(71)Name of Applicant:  1)JOACHIM KERN  Address of Applicant:REICHERTSTRASSE 17, 63820  ELSENFELD, Germany (72)Name of Inventor:  1)JOACHIM KERN
Filing Date	:NA	

(21) Application No.550/DELNP/2012 A

#### (57) Abstract:

The invention relates to a turbo-inhaler, comprising an active-liquid container (1) holding a liquid having an active ingredient dissolved therein, a nebulizer (2), by means of which liquid can be converted into an aerosol and introduced into a blade housing (3), in which a bounding dome (4) is suspended, the concave side (41) of which is directed at the nebulizer, an exhaust air duct (5), which is connected to the blade housing in the area of the convex side (42) of the bounding dome, and a supply-air guide (6), by means of which supply air can be introduced between the blade housing and the active ingredient, wherein at least one guide blade (7) is placed on the convex side of the bounding dome and spirally extends thereon.

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

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention : RETAINER ASSEMBLY HAVING POSITIONING FEATURES FOR PROCESSING CIRCUITRY USED WITH AN IMAGE FORMING DEVICE SUPPLY ITEM

(51) International classification	:H01R12/71	(71)Name of Applicant:
(31) Priority Document No	:13/532186	1)LEXMARK INTERNATIONAL INC.
(32) Priority Date	:25/06/2012	Address of Applicant :IP Law Department Bldg. 082 1 740
(33) Name of priority country	:U.S.A.	West New Circle Road Lexington KY 40550 U.S.A.
(86) International Application No	:PCT/US2013/046464	(72)Name of Inventor:
Filing Date	:19/06/2013	1)AMANN Mark
(87) International Publication No	:WO 2014/004189	2)CARTER II James Anthany
(61) Patent of Addition to Application	.NY A	3)LACTUAN Katrina Rosit
Number	:NA	4)LITMAN Matthew Jeremy
Filing Date	:NA	5)ROGERS Matthew Lee
(62) Divisional to Application Number	:NA	6)SEAMAN Keith
Filing Date	:NA	
(57) Abatmat		<u> </u>

#### (57) Abstract:

A retainer mountable on an exterior surface of an insertable supply item of an image forming device for holding a circuit board having processing circuitry with a plurality of contacts. A reference datum point in the retainer aligns the circuit board with the retainer while a pair of alignment devices align the retainer with respect to the supply item. The supply item is inserted into a frame with the image forming device have an electrical connector having a plurality of connecting pins. When the retainer and circuit board are mounted on the supply item and the supply item is inserted into the frame of the image forming device the retainer aligns the plurality of connecting pins of the connector with corresponding ones of the plurality of contacts of the circuit board for electrical interconnection therebetween.

No. of Pages: 41 No. of Claims: 16

(21) Application No.335/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 14/01/2015 (43) Publication Date: 12/06/2015

(54) Title of the invention: SUBSTITUTED THIOPHENE- AND FURAN-FUSED AZOLOPYRIMIDINE-5-(6H)-ONE **COMPOUNDS** 

(51) International

 $:\!C07D495/14,\!A61K31/519,\!A61P25/00$ 

classification

(31) Priority Document No :61/661091 :18/06/2012

(32) Priority Date (33) Name of priority

:U.S.A.

:NA

country

(86) International

:PCT/US2013/046403 Application No :18/06/2013

Filing Date

(87) International :WO 2013/192225

Publication No

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to :NA **Application Number** 

Filing Date

(71) Name of Applicant:

1)DART NEUROSCIENCE (CAYMAN) LTD

Address of Applicant: 4th Floor Queensgate House 113 South Church Street P.O. Box 1994 Grand Cayman KY1 1104 Cayman

Island

(72) Name of Inventor:

1)BREITENBUCHER James

2)BRANSTETTER Brya

3)DYCK Brian

4)GOMEZ Laurent

5)HUDSON Andrew Richard

6)MARRONE Tami Jo 7) VICKERS Trov

8)PETERS Marco

## (57) Abstract:

Described herein are compounds and chemical entities of Formula (I) methods of their synthesis compositions comprising them and their use in treating numerous diseases and disorders including cognitive deficits associated with CNS diseases and disorders.

No. of Pages: 235 No. of Claims: 58

(21) Application No.375/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/01/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: SOLID FORMS OF A PYRIDO PYRIMIDINIUM INNER SALT

(51) International :C07D471/04,A61P33/00,A01N43/90 classification

(31) Priority Document No :61/662532 (32) Priority Date :21/06/2012

(33) Name of priority :U.S.A. country

(86) International :PCT/US2013/045815

Application No :14/06/2013 Filing Date

(87) International

:WO 2013/192035 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)E. I. DU PONT DE NEMOURS AND COMPANY Address of Applicant: 1007 Market Street Wilmington

Delaware 19898 U.S.A. (72) Name of Inventor: 1)HOFFMANN Christian 2)ZHANG Wenming 3)CHEN Yuzhong

## (57) Abstract:

Disclosed are solid forms of 1-[(2-chloro-5-thiazolyl)methyl]-3-(3,5-dichlorophenyl)-2-hydroxy-9-methyl-4-oxo-4H-pyrido[1,2alpyrimidinium inner salt (Compound 15). Methods for the preparation of solid forms of Compound 1 and for the conversion of one solid form of Compound 1 into another are disclosed. Disclosed are compositions for controlling an invertebrate pest comprising a biologically effective amount of a solid form of Compound 1 and at least one additional component selected from the group consisting of surfactants, solid diluents and liquid carriers. Compositions comprising a mixture of a solid form of Compound 1 and at least one other nematocide, insecticide and/or fungicide are also disclosed. Also disclosed are methods for controlling invertebrate pests comprising applying to a plant or seed, or to the environment of the plant or seed, a biologically effective amount of a solid form of Compound 1.

No. of Pages: 81 No. of Claims: 18

(22) Date of filing of Application :27/02/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : POLYMER 4-IN-1 FEMORAL CUTTING BLOCK INCLUDING METALLIC PROTECTIVE BUSHINGS

#### (57) Abstract:

An orthopaedic surgical instrument including a polymer 4-in-l femoral cutting block having a chamfer cutting slot defined therein, and a chamfer cutting guide assembly secured within the chamfer cutting slot. The chamfer cutting guide assembly includes a first planar surface, a second planar surface spaced apart from, and extending parallel to, the first planar surface, a third planar surface connected to the second planar surface and extending at an angle relative to the first planar surface and a fourth planar surface connected to the first planar surface and extending parallel to the third planar surface. The first planar surface and the second planar surface define a first metallic planar cutting guide, and the third planar surface and the fourth planar surface define a second metallic planar cutting guide. The chamfer cutting guide assembly may include a pair of metallic bushings.

No. of Pages: 71 No. of Claims: 20

(21) Application No.348/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: EMAIL DISTRIBUTION LIST MEMBERSHIP GOVERNANCE

#### (57) Abstract:

A computer implemented method for controlling email distribution list membership in an enterprise email system including the steps of monitoring and collecting continuously updated information regarding access to email distribution lists of an email system by members of the email distribution lists ascertaining that a particular member of at least one of the email distribution lists has not accessed the at least one of the email distribution lists for a predetermined period of time and responsive to the ascertaining at least one of recommending revoking membership of the particular member to the at least one of the email distribution lists and automatically revoking membership of the particular member to the at least one of the email distribution lists.

No. of Pages: 33 No. of Claims: 30

(21) Application No.358/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : COLLECTING RESERVOIR AND METHOD FOR RECOVERING WORKING MEDIUM IN SORPTION 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> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> </ul>	:11/09/2013 :WO 2014/041034 :NA :NA	(71)Name of Applicant: 1)INVENSOR GMBH Address of Applicant:Gustav Meyer Allee 25 13355 Berlin Germany (72)Name of Inventor: 1)BRAUNSCHWEIG Niels 2)PAULUEN Sren 3)KONTOGEORGOPOULOS Eythymios
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

The invention relates to a sorption device wherein working medium that escapes when inert gas flows out is collected in a collecting reservoir (1) and wherein said working medium can be returned from the collecting reservoir to a part of the sorption device that is different from the collecting reservoir. The invention further relates to a method for recovering working medium and the use of a collecting reservoir to collect working medium and return working medium to a sorption process.

No. of Pages: 33 No. of Claims: 17

(21) Application No.378/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/01/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: ULTRASONIC SURGICAL INSTRUMENTS WITH DISTALLY POSITIONED TRANSDUCERS

(51) International :A61B17/29,A61B17/32,A61B17/22 classification

(31) Priority Document No :13/538601 (32) Priority Date :29/06/2012 (33) Name of priority country:U.S.A.

(86) International :PCT/US2013/045802

Application No :14/06/2013 Filing Date

(87) International Publication :WO 2014/004112

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA

Filing Date

(71) Name of Applicant:

1)ETHICON ENDO SURGERY INC.

Address of Applicant :4545 Creek Road #97 Cincinnati Ohio

45242 U.S.A.

(72) Name of Inventor: 1)TIMM Richard W. 2)DIETZ Timothy G.

3)KNIGHT Gary W.

#### (57) Abstract:

Various embodiments are direct to a surgical instrument comprising and end effector an articulating shaft and an ultrasonic transducer assembly. The end effector may comprise an ultrasonic blade. The articulating shaft may extend proximally from the end effector along a longitudinal axis and may comprise a proximal shaft member and a distal shaft member pivotably coupled at an articulation joint. The ultrasonic transducer assembly may comprise an ultrasonic transducer acoustically coupled to the ultrasonic blade. The ultrasonic transducer assembly may be positioned distally from the articulation joint.

No. of Pages: 124 No. of Claims: 20

(21) Application No.490/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :20/02/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: MACHINE TOOL

(51) T	1.220	/71\NI
(51) International classification	:b23Q	(71)Name of Applicant:
(31) Priority Document No	:2007- 016134	1)HONDA MOTOR CO., LTD. Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME,
(32) Priority Date	:26/01/2007	MINATO-KU, TOKYO, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)SHINGO MITSUI
Filing Date	:NA	2)SHUGO ARAKAWA
(87) International Publication No	: NA	3)MAKOTO IZUMI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:	
Filed on	:01/01/1900	
1.1	: :01/01/1900	

#### (57) Abstract:

A machine tool characterized by comprising: a machining unit (30) fixed to a frame (1); a base plate (9) movable along a rail (10) on the frame (1), for moving a work piece (W) toward and away from the machining unit (30); and a holding plate mechanism (11) provided on the base plate (9), for supporting a pallet (6) on which the work piece (W) is set, wherein the holding plate mechanism (11) includes a lower plate (12) and a pair of upper plates (13), the lower plate (12) is connected to the base plate (9) via a first gimbal mechanism so as to be tiltable with respect to a machining axis (L), and the pair of upper plates (13) are respectively connected to the lower plate (12) via second gimbal mechanisms so as to be tiltable with respect to the machining axis (L).

No. of Pages: 22 No. of Claims: 3

(21) Application No.555/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/01/2012 (43) Publication Date: 12/06/2015

# (54) Title of the invention : A METHOD AND A DEVICE FOR GENERATING ENGINE ACOUSTIC EMISSIONS, A COMPUTER PROGRAM AND A COMPUTER PROGRAM 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G10K 15/02 :0950592-6 :19/08/2009 :Sweden :PCT/SE2010/050881 :11/08/2010 :WO 2011/021977 :NA :NA	(71)Name of Applicant:  1)SCANIA CV AB  Address of Applicant:S-151 87 SODERTALJE, Sweden (72)Name of Inventor:  1)RAGNAR GLAV  2)MANFRED KLOPOTEK VON GLOWCZEWSKI 3)ADAM WIKSTROM 4)OLA JONSSON 5)BROR TINGVALL 6)ROGER JOHNSSON
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#### (57) Abstract:

A method for generating engine acoustic emissions. The method is especially characterized in the steps of - providing a loudspeaker configuration (100) based upon the configuration of said engine; and - feeding said loudspeaker configuration (100) with signals for providing desired engine acoustic emission. The invention also relates to a device, a computer program and a computer program product.

No. of Pages: 28 No. of Claims: 27

(21) Application No.464/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :18/02/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: METHOD OF FABRICATING MODIFIABLE OCCLUSION 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></ul>	:13/796,415 :12/03/2013 :U.S.A.	RAYNHAM, MA 02767, U.S.A.
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)ROBERT SLAZAS
(87) International Publication No	: NA	2)DR. JONATHAN VANDE GEEST
(61) Patent of Addition to Application Number	:NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

## (57) Abstract:

A method of fabricating a frangible material for an occlusive device suitable for endovascular treatment of an aneurysm in a region of a parent vessel in a patient, including selecting first and second spray devices having first and second nozzle openings and first and second adjustable flow controls, respectively. The first and second spray devices are arranged to deliver droplets of a first liquid including at least one biocompatible polymer through the first spray device and to deliver droplets of a second liquid including a non-solvent for the polymer through the second spray device in an overlapping spray pattern on a substrate at a pre-selected distance and a pre selected relative translation speed.

No. of Pages: 28 No. of Claims: 21

(19) INDIA

(22) Date of filing of Application :26/02/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: TECHNIQUES FOR CONTROLLING A POWER CONVERTER USING MULTIPLE CONTROLLERS

<ul> <li>(51) International classification</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>	:13/791,732 :08/03/2013 :U.S.A. :NA	Address of Applicant :5245 HELLYER AVENUE, SAN JOSE, CA 95138, U.S.A. (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA : NA :NA :NA :NA :NA	1)BALU BALAKRISHNAN 2)ALEX B. DJENGUERIAN 3)SHENG LIU

#### (57) Abstract:

A power converter controller includes a primary controller that is galvanically isolated from a secondary controller. The primary controller controls a state of a power switch during a first mode of operation according to a switching pattern defined by the primary controller. During a second mode of operation, the primary controller controls the state of the power switch in response to control signals received via a communication link. The secondary controller operates in a powered down state during the first mode of operation. The secondary controller initiates a transition operation with the primary controller that transitions the primary controller and the secondary controller from the first mode of operation to the second mode of operation. In the second mode of operation, the secondary controller transmit the control signals to the primary controller via the communication link.

No. of Pages: 94 No. of Claims: 46

(21) Application No.542/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

(54) Title of the invention: 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:22/06/2010 :WO 2010/151540 :NA :NA :NA	(71)Name of Applicant:  1)KEIN W. STIMN  Address of Applicant:5140 MAIN STREET#A18, WILLIAMSVILLE, NEW YORK 14221, U.S.A. (72)Name of Inventor:  1)KEIN W. STIMN
Filing Date	:NA	

#### (57) Abstract:

The present inventioa is a wind turbine having a set of curved blades mounted oa a central rotatable hub. An en¬closure surrounds and is attached to the tips of the blades. The enclosure is arranged to rotate with the hub and the blades. The blades have a fixed pitch such that a pitch angle of each of the blades at the tip end is from 50 degrees and 75 degrees to a rota¬tional (central) axis of the hub. A pitch angle of each of the blades at a hub end is defined by a product of a ratio, of a hub radius divided by a turbine radius, multiplied by a pilch angle at the tip. The blade is provided with a compound curve that causes the blade to fall away from an angle of apparent wind (the angle of the wind seen by the moving blade) impinging upon the blade at a wmd entry location of the blade. The turbine is further provided with an apparatus that controls speed of rotation of the turbine so that the angle of the apparent wind to the blades can be adjusted relative to the pitch angle of the blades To obtain at least 50% of maximum energy that can be extracted using the turbine.

No. of Pages: 33 No. of Claims: 18

(21) Application No.558/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/01/2012 (43) Publication Date: 12/06/2015

# (54) Title of the invention: CAPACITANCE DETERMINATION IN A SWITCHED MODE POWER SUPPLY

(86) International Application No Filing Date  (87) International Publication No (61) Patent of Addition to Application Number Filing Date  (62) Divisional to Application Number Filing Date  (88) International Application No Filing Date  (89) International Publication No Filing Date  (80) International Publication No Filing Date  (80) International Publication No Filing Date  (80) International Application No Filing Date  (81) International Application No Filing Date  (81) International Publication No Filing Date  (82) International Publication No Filing Date  (83) International Application No Filing Date  (84) International Application No Filing Date  (85) Name of Inventor:  (72) Name of Invento	Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Num	:21/12/2009 :WO 2010/149234 :NA :NA :NA
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#### (57) Abstract:

A method of determining a measure of a total capacitance of one or more capacitive elements connected to an output of a switched mode power supply is described. The method includes generating a voltage control signal to cause an output voltage controller to sweep a voltage at the output of the switched mode power supply from an initial voltage value to a final voltage value. Sample values of a current at the output measured by a current sampler during the sweep of the output voltage are received, and an integrated current value representing a measure of the total capacitance using the received sample values is calculated.

No. of Pages: 44 No. of Claims: 19

(21) Application No.281/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

:NA

:NA

# (54) Title of the invention : STEM CELLS AND PANCREATIC CELLS USEFUL FOR THE TREATMENT OF INSULIN DEPENDENT DIABETES MELLITUS

(51) International classification :C12N5/071,C12N5/074 (71)Name of Applicant : (31) Priority Document No :61/664259 1)SERAXIS INC. (32) Priority Date Address of Applicant: 20271 Goldenrod Lane Germantown :26/06/2012 (33) Name of priority country Maryland 20876 U.S.A. :U.S.A. (86) International Application No (72) Name of Inventor: :PCT/US2013/047243 Filing Date 1)RUST William L. :24/06/2013 (87) International Publication No :WO 2014/004341 (61) Patent of Addition to Application :NA Number :NA Filing Date

#### (57) Abstract:

Filing Date

Fresh human pancreas tissue can be used as a source of cells whence to identify and select a non stem cell population that is predisposed to be a source for surrogate pancreatic cells that can be used in treating insulin dependent diabetes. The progenitors of these surrogate pancreatic cells have no reprogramming genes integrated into their genomes differentiate to the pancreatic lineage pursuant to a protocol that employs only defined reagents and are substantially unable to differentiate to the mesodermal lineage.

No. of Pages: 32 No. of Claims: 4

(62) Divisional to Application Number

(19) INDIA

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SYSTEMS AND METHODS FOR IDENTITY AUTHENTICATION USING A SOCIAL NETWORK

(51) International classification	:G06F21/00,G06F15/16	(71)Name of Applicant:
(31) Priority Document No	:13/541092	1)LEXISNEXIS RISK SOLUTIONS FL INC.
(32) Priority Date	:03/07/2012	Address of Applicant :6601 Park of Commerce Boulevard
(33) Name of priority country	:U.S.A.	Boca Raton FL 33487 U.S.A.
(86) International Application No	:PCT/US2013/048081	(72)Name of Inventor:
Filing Date	:27/06/2013	1)DE VILLIERS PRICHARD Johannes Philippus
(87) International Publication No	:WO 2014/008079	2)SHAW Jesse CPB
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Certain embodiments of the invention may include systems and methods for identity authentication using an social network. According to an exemplary embodiment of the invention a method is provided for authenticating an identity of a target person. The method can include determining from a first system graph connections between one or more hypothetical identities and a plurality of related entities associated with the one or more hypothetical identities; determining from a second system graph one or more real entities associated with the target person; identifying matches comprising common real entities associated with the target person and related entities associated with the one or more hypothetical identities based at least in part on the determined connections; and providing an indication of identity authentication of the target person based at least in part on the identified matches.

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

(21) Application No.339/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: GRID RUNNER TO PERIMETER TRIM CLIP

<ul> <li>(51) International classification</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>	:13/537870 :29/06/2012 :U.S.A.	(71)Name of Applicant:  1)USG INTERIORS LLC  Address of Applicant:550 West Adams Street Chicago Illinois 60661 3676 U.S.A. (72)Name of Inventor:  1)UNDERKOFLER Abraham M. 2)PAULSEN Mark R. 3)GULBRANDSEN Peder J.
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#### (57) Abstract:

A clip for mounting an elongated trim strip on ends of ceiling grid runners having a right angle configuration with two intersecting legs one leg adapted to laterally abut an end of a grid runner and the other being adapted to engage the trim strip said other leg having oppositely extending upper and lower grips for reception into upper and lower opposing channels of the trim strip the grips being relatively moveable and a toggle arrangement for moving said grips away from one another when retracted the grips being capable of passing between the opposed channels the toggle arrangement selectively maintaining said grips in an extended position to frictionally lock onto the opposed channels of the trim strip.

No. of Pages: 15 No. of Claims: 7

(21) Application No.370/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/01/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: DOSING REGIMEN FOR JANUS KINASE (JAK) INHIBITORS

(51) International :A61K31/519,A61P17/04,A61P37/00 classification (31) Priority Document No :61/674289 (32) Priority Date :20/07/2012 (33) Name of priority :U.S.A. country

(86) International :PCT/US2013/051015

Application No :18/07/2013 Filing Date

(87) International

:WO 2014/015107 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)ZOETIS LLC

Address of Applicant: 100 Campus Drive Florham Park New

Jersey 07932 U.S.A. (72)Name of Inventor: 1)GONZALES Andrea J. 2)COSGROVE Sallie B. 3)MALPAS Phyllis B.

4)STEGEMANN Michael Rolf 5)COLLARD Wendy Turner

## (57) Abstract:

The present invention provides a method for treating allergic dermatitis atopic dermatitis or one or more symptoms thereof in a mammal in need which method comprises administering to the mammal a first therapeutically effective dose of a Janus Kinase (JAK) inhibitor twice a day for a number of days sufficient to ease or eliminate one or more clinical signs in the mammal followed by a second therapeutically effective dose of the JAK inhibitor at a reduced frequency.

No. of Pages: 28 No. of Claims: 16

(21) Application No.577/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: COATED HIGH STRENGTH FIBERS

(51) International classification	:D07B 1/02	(71)Name of Applicant:
(31) Priority Document No	:09167161.0	1)DSM IP ASSETS B. V.
(32) Priority Date	:04/08/2009	Address of Applicant :HET OVERLOON 1, NL-6411 TE
(33) Name of priority country	:EUROPEAN	HEERLEN, THE NETHERLANDS
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:PCT/EP2010/060813	1)BOSMAN, RIGOBERT
Filing Date	:26/07/2010	2)ABEN, GERARDUS
(87) International Publication No	:WO 2011/015485	3)SCHNEIDERS, HANS
(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 high strength fibers comprising a coating of cross-linked silicone polymer, and ropes made thereof. The fibers are preferably high performance polyethylene (HPPE) fibers. The coating comprising a cross-linked silicone polymer is made from a coating composition comprising a cross-linkable silicone polymer. The rope shows markedly improved service life performance in bending applications such as cyclic bend-over-sheave applications. The invention also relates to the use of a cross-linked silicone polymer in a rope for an improvement of bend fatigue resistance.

No. of Pages: 20 No. of Claims: 17

(21) Application No.302/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 13/01/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: A METHOD FOR CALIBRATING A TEMPERATURE SENSOR OF A VAPOUR COMPRESSION **SYSTEM**

(51) International :F25B41/06,F25B49/02,G01K15/00

classification (31) Priority Document No :PA 2012 00518

(32) Priority Date :23/08/2012 (33) Name of priority country: Denmark

(86) International Application :PCT/DK2013/050234

No :10/07/2013 Filing Date

(87) International Publication: WO 2014/029401

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant: 1)DANFOSS A/S

Address of Applicant: Nordborgvej 81 DK 6430 Nordborg

Denmark

(72) Name of Inventor:

1)IZADI ZAMANABAD Roozbeh 2)ANDERSEN Casper Lindholdt

### (57) Abstract:

A method for calibrating a temperature sensor (6) arranged in a vapour compression system (1) is disclosed. The opening degree (9) of an expansion device (3) is alternatingly increased and decreased. Simultaneously a temperature (10) of refri gerant entering the evaporator (4) and a temperature (11) of refrigerant leaving the evaporator (4) are monitored. For each cycle of the opening degree (9) of the expansion device (3), a maximum temperature, T i m, of refrigerant entering the evaporator, and a min imum temperature, 2, of refrigerant leaving the evaporator are registered. A calibration value, DT i, is calculated as DTi = C-(T2, min- T i m) for each cycle, and a maximum calibration value, among the calculated values is selected. Finally, temperature measure ments performed by the first temperature sensor (6) are adjusted by an amount defined by ATi.

No. of Pages: 18 No. of Claims: 5

(21) Application No.342/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

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

<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:F02B39/00,F02B39/16,F02C6/12 :10 2012 012 558.5 :25/06/2012	1)BORGWARNER INC. Address of Applicant :Patent Department 3850 Hamlin Road
(33) Name of priority country	:Germany	Auburn Hills MI 48326 U.S.A.
(86) International Application No Filing Date	:PCT/US2013/046726 :20/06/2013	(72)Name of Inventor : 1)DIMOVA Aleksandra 2)LISCHER Thomas
(87) International Publication No	:WO 2014/004238	
(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) comprising a housing (2) a turbine wheel (5) with blades (6) a compressor wheel (4) with blades (6) and a shaft (3) which is mounted in the housing (2) and which connects the turbine wheel (5) and compressor wheel (4) wherein in a gap (7) between the housing (2) and at least one blade (6) a contactless labyrinth seal (8) is formed on the blade (6) and on the housing (2) wherein the labyrinth seal (8) comprises at least one combination of a groove (13) and a projection (14).

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

(21) Application No.362/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: CRP RESISTANCE BLADE HEATING

<ul> <li>(51) International classification</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>	:F03D11/00 :10 2012 015 540.9 :06/08/2012 :Germany :PCT/EP2013/066487 :06/08/2013 :WO 2014/023734 :NA :NA	(71)Name of Applicant:  1)WOBBEN PROPERTIES GMBH Address of Applicant: Dreekamp 5 26605 Aurich Germany (72)Name of Inventor: 1)CLEMENS Christian
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### (57) Abstract:

The invention relates to a rotor blade (1) of a wind turbine (100) comprising a heating device (33) arranged in the rotor blade (100) in the region of the rotor blade surface thereof for heating the rotor blade (1) wherein the heating device (33) has electrically conductive heating strands (2) and the heating strands (2) run in a sinusoidal wavy and/or zigzagging form with an amplitude that defines a sine amplitude wave height or zag height and a wavelength that defines a period length a wave length or a zag spacing wherein the amplitude and/or the wavelength varies along the heating strands (2) in order in this way to vary from portion to portion a specific surface heating output of the heating device (33).

No. of Pages: 24 No. of Claims: 16

(21) Application No.560/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention : METHOD FOR EFFICIENT UTILISATION OF THE THROUGPUT CAPACITY OF AN ENB BY USING A CACHE

<ul> <li>(51) International classification</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>	:H04W 28/14 :NA :NA :NA :NA :PCT/SE2009/050819 :26/06/2009 :WO 2010/151193 :NA :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET LM ERICSSON (PNBL) Address of Applicant: SE-164 83 STOCKHOLM (SE) Sweden (72)Name of Inventor: 1)NADAS, SZILVESZTER 2)KOHLI, JOHAN 3)SODERSTROM, JAN
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#### (57) Abstract:

Method and apparatus for enabling optimisation of the utilisation of the throughput capacity of a first and a second interface of an eNB, where the first and the second interface alternate in having the lowest throughput capacity, and thereby take turns in limiting the combined data throughput over the two interfaces. In the method, data is received over the first interfaceandthen cached in one of the higher layers of the Internet Protocol stack. The output from the cache of data to be sent over the second interface is controlled, based on the available throughput capacity of the second interface. Thereby, the alternating limiting effect of the interfaces is levelled out.

No. of Pages: 33 No. of Claims: 35

(21) Application No.576/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/01/2012 (43) Publication Date: 12/06/2015

# (54) Title of the invention: APPARATUS AND METHOD FOR CONTROLLABLE DOWNHOLE PRODUCTION OF IONIZING RADIATION WITHOUT THE USE OF RADIOACTIVE CHEMICAL ISOTOPES

<ul> <li>(51) International classification</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> </ul>	:G01V 5/12 :20093204 :23/10/2009 :Norway :PCT/NO2010/000372 :20/10/2010 :WO 2011/049463 :NA :NA	(71)Name of Applicant: 1)LATENT AS Address of Applicant:STRANDBAKKEN 10, N-4070 RANDABERG, NORWAY (72)Name of Inventor: 1)TEAGUE, PHIL
(61) Patent of Addition to Application	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Apparatus for the controllable downhole production of ioniz¬ing radiation (12), the apparatus including at least a ther¬mionic emitter (11) which is arranged in a first end portion (7a) of an electrically insulated vacuum container (9), and a lepton target (6) which is arranged in a second end portion (7b) of the electrically insulated vacuum container (9); the thermionic emitter (11) being connected to a series of seri¬ally connected negative electrical-potential-increasing ele¬ments (141, 142, 143, 144), each of said electrical-potential-increasing elements (141, 142, 143, 144) being arranged to in¬crease an applied direct-current potential ( $\delta$ V0,  $\delta$ V1,  $\delta$ V1+2, ...,  $\delta$ V1+2+3) by transforming an applied, driving voltage (VAC) / and to transmit the increased, negative direct-current potential ( $\delta$ V1,  $\delta$ VH.2, ...,  $\delta$ Vn.2+3+4) and also the driving voltage (VAC) to the next unit in the series of serially connected elements (141, 142, 143, 144, 5), and the ionizing radiation (12) ex¬ceeding 2 00 keV with a predominant portion of the spectral distribution within the Compton range.

No. of Pages: 27 No. of Claims: 14

(12)TATENT ALTERATION TODERCATION

(22) Date of filing of Application :15/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: ANIMAL LITTER

(51) International classification :A01K1/015 (71)Name of Applicant: 1)UNICHARM CORPORATION (31) Priority Document No :2012148952 (32) Priority Date Address of Applicant: 182 Shimobun Kinsei cho Shikokuchuo :02/07/2012 (33) Name of priority country shi Ehime 7990111 Japan :Japan :PCT/JP2013/066620 (72)Name of Inventor : (86) International Application No Filing Date :17/06/2013 1)HIROSHIMA Kenji (87) International Publication No :WO 2014/007053 2)SOGOU Tatsuya (61) Patent of Addition to Application 3)HIRAO Tomoko :NA Number 4)KANEKO Shinya :NA Filing Date 5)YAMADA Hidekazu (62) Divisional to Application Number :NA 6)OTOMO Takahiro Filing Date :NA

(21) Application No.364/DELNP/2015 A

#### (57) Abstract:

(19) INDIA

Provided is an animal litter wherein a location that absorbs urine can be easily detected the urine color can be easily confirmed and the odor arising from the excreted urine can be reduced. The animal litter configured of a plurality of water absorbent particles wherein the particles include color changeable particles undergoing a color change upon water absorption said color changeable particles comprising pulp and white particles undergoing no color change upon water absorption said white particles being provided with a core comprising pulp and a coating layer that coats the core and comprises pulp a highly water absorptive resin and a fragrance and the content by weight of the color changeable particles is larger than the content by weight of the white particles.

No. of Pages: 24 No. of Claims: 11

(19) INDIA

(22) Date of filing of Application :20/02/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : DEVICE FOR ROTATING WORKING ROLLS OF A ROLLING MILL AND METHOD FOR CHANGING SAID ROLLS

<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>	:B21B :13 209 055.6 :13/03/2013 :EUROPEAN UNION	Address of Applicant :TURMSTRAE 44, 4031 LINZ,
(86) International Application No Filing Date	:NA :NA	1)JEAN-PAUL FAURE 2)FRANCIS CHARRE
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li><li>Filing Date</li></ul>	: NA :NA :NA	3)YVES GUILLOT 4)STANISLAS MAUUARY
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Device for rotating working rollers of a rolling mill and method for changing said rolls The present invention describes a device for rotating working rollers of a rolling mill synchronized with the speed of a moving strip (B) undergoing a rolling operation in a plurality of roll stands, comprising a set of rolls below the strip and a set of rolls above the strip, said set of lower rolls comprising at least one lower intermediate roll (IRI) rotating a lower working roll (WRI) by surface contact and friction, said set of upper rolls comprising at least one upper intermediate roll (IRS) rotating an upper working roll (WRS) by surface contact and friction, said lower and upper working rolls being suitable for being put into contact with respectively one of the lower and upper faces of the strip to be rolled, said intermediate and working rolls having axes of rotation aligned in at least one vertical plane. The device according to the invention is characterized in that, before bringing the lower working rolls into contact with the strip for active rolling positions, a means of vertical thrust (Rli, R2i, PII, P2I, EI, EI) exerts a first force downward on the lower working roll (WRI). A method for changing a roll associated with the device according to the invention is also presented

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

(21) Application No.564/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: DESALINATION 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>		(71)Name of Applicant:  1)GENERAL ELECTRIC COMPANY Address of Applicant: 1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, U.S.A. (72)Name of Inventor: 1)XIA, JIYANG 2)XIONG, RIHUA
(87) International Publication No		2)XIONG, RIHUA
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)CAI, WEI 4)XIA, ZIJUN 5)ZHANG, CHENGQIAN
(62) Divisional to Application Number Filing Date	:NA :NA	6)SILVA, JAMES MANIO 7)ZHANG, WEIMING

#### (57) Abstract:

A desalination system comprises an electrical separation device configured to receive and ionize a first stream for desalination and a crystallization device. The crystallization device is configured to provide a second stream to the electrical separation device to earn-away ions from the first stream and defining a crystallization zone for facilitating precipitation of the ions and a solid-liquid separation zone in fluid communication with the crystallization zone for separation of the precipitate. A desalination method is also presented

No. of Pages: 26 No. of Claims: 30

(21) Application No.580/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: HYDROPROCESSING CATALYST AND METHOD OF 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> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C10G 45/12 :12/496,442 :01/07/2009 :U.S.A. :PCT/US2010/040416 :29/06/2010 :WO 2011/002782 :NA :NA :NA	(71)Name of Applicant: 1)CHEVRON U.S.A. INC. Address of Applicant:6001 BOLLINGER CANYON ROAD, SAN RAMON, CALIFORNIA 94583 U.S.A. (72)Name of Inventor: 1)ZHAN, BI-ZENG 2)MAESEN, THEODORUS 3)LICHTENBERGER, JANINE 4)RAINIS, ANDREW 5)TIMKEN, HYE-KYUNG
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#### (57) Abstract:

The present invention is directed to a hydroprocessing catalyst containing at least ole catalyst support, one or more metals, optionally one or more molecular sieves, optionally one or more promoters, wherein deposition of at least one of the metals is achieved in the presence of a modifying agent.

No. of Pages: 29 No. of Claims: 20

(21) Application No.460/DEL/2014 A

(19) INDIA

(22) Date of filing of Application: 18/02/2014 (43) Publication Date: 12/06/2015

# (54) Title of the invention: STRIPED STENT INTRODUCER

<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>	:A61F2/95 :13/801,283 :13/03/2013 :U.S.A.	<u>'</u>
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor: 1)ROBERT SLAZAS
(87) International Publication No	: NA	I)ROBERT SEAZAS
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A tubular introducer sheath is made of predominantly clear material, with a colored stripe that extends along the length of the tubular introducer sheath, and that preferably spirals along the length of the tubular introducer sheath around the longitudinal axis of the tubular introducer sheath. The colored stripe has a width that is sufficiently wide to be visible externally, and is sufficiently narrow that the clear area allows visual inspection through the tubular introducer sheath. The distal end portion of the tubular introducer sheath may also be tapered.

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

(21) Application No.540/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :26/02/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHOD FOR IMPLEMENTING A CONTROL

<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>	:h04j :10 2013 207 498.0 :25/04/2013 :Germany :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: POSTFACH 30 02 20, 70442  STUTTGART, Germany (72)Name of Inventor:  1)AUE, AXEL  2)HAAS, MICHAEL WILHELM
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#### (57) Abstract:

The present subject matter proposes a method and an arrangement for implementation of a control in a control circuit, a control path (72) of which has a PTI-behavior, wherein a controller (62) is used, which outputs a control variable that represents a duty ratio (68) of a PWM-signal (20) with a fixed switching frequency, wherein a state machine (80) is used as the controller (62), which takes different states as a function of a determined control deviation, which is determined by comparison of an actual value (54) with a reference value (12, 56) and outputs the control variable as a function of the occupied state.

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

(21) Application No.540/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/01/2012 (43) Publication Date: 12/06/2015

# (54) Title of the invention : EMBEDDED POLE PART WITH AN ISOLATING HOUSING MADE OF THERMOPLASTIC 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:09009396.4 :20/07/2009 :EPO	(71)Name of Applicant:  1)ABB TECHNOLOGY AG  Address of Applicant :AFFOLTERNSTRASSE 44, CH-8050  ZURICH, SWITZERLAND  (72)Name of Inventor:  1)WENKAI SHANG
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to an embedded pole part with an isolating housing made of thermoplastic material, which embedds an interrupter as well as the electric terminals of the pole part, as given by the preamble of claim 1. So it is an object of the invention, to strengthen the mechnical and dielectric paramters of such a pole part especially for the case of short circuit current. Therefore, at the outer surface of the housing horizontal and/or vertical aligned 3-dimensional structures joined by material engagement are implemented into the thermoplastic material, in order to achieve a higher mechanical stiffness as well as higher creepage length of the pole part.

No. of Pages: 13 No. of Claims: 11

(21) Application No.572/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: MESENCHYMAL STEM CELL DIFFERENTIATION

<ul> <li>(51) International classification</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>	:C12N 5/00 :61/225,293 :14/07/2009 :U.S.A. :PCT/US2010/041850 :13/07/2010 :WO 2011/008773 :NA :NA	(71)Name of Applicant:  1)THE SCRIPPS RESEARCH INSTITUTE Address of Applicant:10550 NORTH TORREY PINES ROAD, MAIL TPC-8, LA JOLLA, CA 92037, U.S.A.  2)IRM LLC (72)Name of Inventor: 1)JOHNSON KRISTEN 2)JENNINGS LORI 3)SCHULTZ PETER
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## (57) Abstract:

The present invention provides for methods and compositions for treating or preventing arthritis and joint injury.

No. of Pages: 44 No. of Claims: 36

(19) INDIA

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

## (54) Title of the invention: METHOD FOR PRODUCING BIORESOURCED ACRYLIC ACID FROM GLYCEROL

<ul> <li>(51) International classification</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>	:C07C 45/52 :0955111 :22/07/2009 :France :PCT/FR2010/051361 :29/06/2010 :WO 2011/010035 :NA :NA	(71)Name of Applicant:  1)ARKEMA FRANCE Address of Applicant: 420, RUE D' ESTIENNE D' ORVES, F-92700 COLOMBES, FRANCE (72)Name of Inventor: 1)MICHEL FAUCONET
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An aim of the present invention is to produce, from glycerol, a bioresourced acrylic acid, that is to say an acrylic acid essentially based on a carbon source of natural origin, meeting all the quality criteria of monomers customarily used as starting material in processes for polymerization of acrylic acid and of its esters, via an economical process. The process according to the invention comprises a final stage of extraction of acrylic acid by fractional crystallization applied to one of the effluents resulting from the acrylic acid purification chain, the location of this final stage possibly depending on the initial feedstock treated, the nature and the source of the glycerol used in the process, purity specifications to be achieved for the final acrylic acid, or finally economic criteria.

No. of Pages: 31 No. of Claims: 8

(21) Application No.371/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/01/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: VALVE SEAT MADE OF IRON BASE SINTERED ALLOY

(51) International classification: C22C38/00,B22F5/00,C22C27/04 (71)Name of Applicant:

:03/07/2013

(31) Priority Document No :2012152597 (32) Priority Date :06/07/2012

(33) Name of priority country :Japan

(86) International Application :PCT/JP2013/068228

Filing Date

(87) International Publication

:WO 2014/007278

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)KABUSHIKI KAISHA RIKEN

Address of Applicant: 13 5 Kudankita 1 chome Chiyoda ku

Tokyo 1028202 Japan (72)Name of Inventor: 1)HASHIMOTO Kimiaki

2)HENMI Hiroji

### (57) Abstract:

In order to provide a valve seat which is made of an iron base sintered alloy having excellent abrasion resistance and machinability and which is usable in a diesel engine accommodating an output increase the present invention comprises: using an intermetallic compound having a Vickers hardness (Hv) of 800 to 1200; and adjusting the contents of C and P in the composition of an iron base sintered valve seat to 1.2 to 1.6 mass% and 0.80 to 1.35 mass% respectively.

No. of Pages: 19 No. of Claims: 6

(21) Application No.463/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :18/02/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: BRAIDED FLOW DIVERTER USING FLAT-ROUND TECHNOLOGY

(51) International classification (31) Priority Document No (32) Priority Date	:A61F2/90 :13/802,225 :13/03/2013	Address of Applicant :325 PARAMOUNT DRIVE,
<ul><li>(33) Name of priority country</li><li>(86) International Application No Filing Date</li></ul>	:U.S.A. :NA :NA	RAYNHAM, MA 02767, U.S.A. (72)Name of Inventor: 1)ROBERT SLAZAS
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	2)JUAN A. LORENZO
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A generally tubular braided flow diverting stent is formed of alternating round and rectangular elongated members, for treatment of aneurysms. The generally tubular braided flow diverting stent maintains a significant wall thickness while increasing area coverage of a vessel wall. Sliding of the round elongated members over the rectangular elongated members allows the stent to be crimped to very low diameters for delivery in narrow portions of the vasculature.

No. of Pages: 15 No. of Claims: 23

(21) Application No.557/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :27/02/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: TORSION BEAM 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 No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:2013- 090495 :23/04/2013 :Japan :NA :NA :NA	(71)Name of Applicant:  1)SUZUKI MOTOR CORPORATION  Address of Applicant: 300, TAKATSUKA-CHO, MINAMI-KU, HAMAMATSU-SHI, SHIZUOKA-KEN 432-8611, JAPAN (72)Name of Inventor:  1)YASUIKE SHIGEAKI 2)IKOMA KYOHEI 3)KOMURA SHOGO
• •		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A torsion beam suspension of a vehicle includes a plateor tubular-shaped torsion beam that is opened on one side as an open side along a longitudinal direction thereof, and a pair of trailing arms coupled to both longitudinal ends of the torsion beam, in which each of the trailing arms includes a hollow beam joining portion which is joined in abutment coupling to each of the ends of the torsion beam.

No. of Pages: 44 No. of Claims: 13

(21) Application No.557/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/01/2012 (43) Publication Date: 12/06/2015

# (54) Title of the invention: AN IMPLANTED MEDICAL DEVICE USEFUL FOR COSMETIC SURGERY

<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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:61/218,958 :21/06/2009 :U.S.A. :PCT/IL2010/000485 :21/06/2010 :WO 2010/150244 :NA :NA	1)AESTHETICS POINT LTD Address of Applicant :P.O. BOX 7284, NORTH INDUSTRIAL HI- TECH PARK, ASHKELON 78172 (IL) Ireland (72)Name of Inventor: 1)BEN RUBI, YANIV
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention discloses a minimally invasive multipoint fixation device adapted to laparoscopically locally reposition body tissues. The device comprises: a distal anchor, a proximal anchor and an elongated connecting element, adapted to interconnect between the distal anchor and the proximal anchor. The distal and the proximal anchors are characterized by two configurations: (i) a folded configuration; and, (ii) a deployed configuration, the fixation device further comprises deployment means adapted to deploy the distal and the proximal anchors by reconfiguring the same from the folded configuration to the deployed configuration.

No. of Pages: 99 No. of Claims: 49

(19) INDIA

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

## (54) Title of the invention: CONTROL DEVICE, CONTROL METHOD, PROGRAM AND 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 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>	:21/07/2010 :WO 2011/013544 :NA :NA	(71)Name of Applicant:  1)SONY CORPORATION Address of Applicant:1-7-1 KONAN, MINATO-KU, TOKYO 1080075, JAPAN (72)Name of Inventor: 1)SHINGO YOSHIZUMI
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a control device, a control method, a program, and a control system, whereby more intelligent non-conventional imaging operation more useful for a user can be realized particularly in the event of performing automatic imaging operation using a subject detection result within an imaged image, as imaging operation. Control relating to imaging operation is performed according to a positional relation between an edge region set as an edge portion region of an image frame, and a subject detected within said image frame. Control relating to automatic imaging operation can be performed based on a non-conventional entirely new determination reference that is a positional relation between said edge region and a detected subject, and more intelligent non-conventional automatic imaging operation more useful for a user can be realized.

No. of Pages: 136 No. of Claims: 18

(21) Application No.372/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 15/01/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: NOVEL FUSED PYRIDINE DERIVATIVES USEFUL AS C MET TYROSINE KINASE INHIBITORS

(51) International :C07D401/14,C07D401/12,C07D487/02 classification

:China

:01/07/2013

:PCT/CN2012/077924

:PCT/CN2013/078592

(31) Priority Document

(32) Priority Date :29/06/2012

(33) Name of priority

country

(86) International

Application No

Filing Date (87) International :WO 2014/000713

Publication No

(61) Patent of Addition to :NA

**Application Number** Filing Date

:NA (62) Divisional to :NA **Application Number** :NA Filing Date

(71) Name of Applicant:

1)ZHEJIANG BETA PHARMACEUTICALS CO. LTD Address of Applicant :589 Hongfeng RD Yuhang Hangzhou

Zhejiang 311100 China

(72)Name of Inventor:

1)HU Shaojing 2)WANG Fei

3)XU Zhiguo

4)WANG Yanping

5)WANG Yinxiang

#### (57) Abstract:

This invention relates to novel fused quinazoline derivatives of Formula I as c Met inhibitors their synthesis and uses for treating c Met mediated disorders.

No. of Pages: 75 No. of Claims: 71

(19) INDIA

(22) Date of filing of Application :15/01/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: DEVICE AND METHOD FOR AUTOMATIC GENERATION OF A RECOMMENDATION

<ul> <li>(51) International classification</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>	:G06Q30/02 :12174493.2 :29/06/2012 :EPO :PCT/EP2013/063740 :28/06/2013 :WO 2014/001553 :NA :NA	(71)Name of Applicant:  1)FUNKE DIGITAL TV GUIDE GMBH Address of Applicant: Schiffbauerdamm 22 10117 Berlin Germany (72)Name of Inventor: 1)BARBIERI Mauro 2)KORST Jan 3)PRONK Serverius Petrus Paulus 4)CLOUT Ramon Antoine Wiro
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#### (57) Abstract:

The invention refers to a device and a method for automatic generation of recommendation for an item to a user The device comprises or is at least indirectly connected to an item database containing a user profile database and a user interrelation database. The device comprises a standard recommender engine that is configured to access said item database and said user profile database and to calculate a score in a [0 1] interval indicating a like degree of an item for userbased on a user profile of user. The device further comprises a content discovery recommender that is configured to access said user interrelation database and to find at least users that have a direct connection to user and to further access said user profile database in order to determine a fraction of the users that know an item and to generate a recommendation based on the score of an item and the extent (that is the fraction of the users that know an item ) the item is known among users that have a direct connection to user.

No. of Pages: 18 No. of Claims: 15

(21) Application No.547/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/01/2012 (43) Publication Date: 12/06/2015

(54) Title of the invention: MEMBRANE VALVE

<ul> <li>(51) International classification</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> <li>Filing Date</li> </ul>	:23/06/2010 :WO 2010/149145 :NA :NA	(71)Name of Applicant:  1)JOACHIM KERN  Address of Applicant:REICHERTSTRASSE 17, 63820  ELSENFELD, Germany (72)Name of Inventor:  1)JOACHIM KERN
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a membrane valve, in particular for inhalation devices, comprising a planar membrane made of permanently flexible material, a frame, which has an air opening that is somewhat smaller than the membrane, at least one web, which cormects the frame to a retainer that is arranged approximately at the center of the air opening, and a phi, the shaft of which extends through a fastening opening approximately at the center of the membrane and is located in a retaining opening in the retainer, wherein the membrane lies on the frame in the rest state and wherein the pin is spread to form a head, the distance of which to the membrane is small in comparison to the thickness of the membrane or which head lies on the membrane, and the diameter of the shaft near the head is greater than the diameter of the fastening opening, and the diameter of the shaft at the free end of the shaft is approximately equal to the diameter of the fastening opening.

No. of Pages: 17 No. of Claims: 11

(21) Application No.563/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/01/2012 (43) Publication Date: 12/06/2015

# (54) Title of the invention: OMEGA-3 FATTY ACID ENRICHED SOUPS AND SAUCES

<ul> <li>(51) International classification</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> <li>Filing Date</li> </ul>	:15/07/2010 :WO 2011/008946 :NA :NA	(71)Name of Applicant:  1)SOLAE, LLC Address of Applicant: 4300 DUNCAN AVENUE, ST.LOUIS, MISSOURI 63110, U.S.A. (72)Name of Inventor: 1)LUCAK, CANDICE 2)LAMBACH, BEATA E. 3)WHITE, JENNIFER 4)WHITTINGHILL, JANE 5)WELSBY, DAVID
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to compositions and methods for producing a soup or sauce composition with an amount of long chain fatty acids. Specifically, the soup or sauce composition comprises an amount of stearidonic acid (SDA) enriched soybean oil that imparts improved nutritional quality with an amount of long chain fatty acids, but retains the mouthfeel, flavor, odor, and other sensory characteristics associated with typical soup or sauce compositions.

No. of Pages: 69 No. of Claims: 20

(21) Application No.5928/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/07/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHOD FOR PRODUCING GRANULATED FERTILIZER

<ul> <li>(51) International classification</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>	:C05C9/00 :2012101574 :17/01/2012 :Russia :PCT/RU2012/001132 :27/12/2012 :WO 2013/109167 :NA :NA :NA	(71)Name of Applicant: 1)OTKRYTOE AKTSIONERNOE OBSCHESTVO RESEARCH & DESIGN INSTITUTE OF UREA AND ORGANIC SYNTHESIS PRODUCTS (OAO NIIK) Address of Applicant: Griboedova Street 31 Nizhny Novgorod Region Dzerzhinsk 606008 Russia (72)Name of Inventor: 1)SOLDATOV Aleksei Vladimirovich 2)SERGEEV Yury Andreevich 3)CHEBLAKOV Nikolai Valentinovich 4)ANTIPOV Stanislav Aleksandrovich 5)ERMOLAEV Dmitry Alekseevich 6)KOTOVA Natalya Nikolaevna 7)PROKOPYEV Aleksandr Alekseevich 8)KOSTIN Oleg Nikolaevich 9)KUZNETSOV Nikolai Mikhailovich 10)ESIN Igor Veniaminovich
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## (57) Abstract:

The invention relates to methods for producing granulated fertilizer comprising carbamide and elemental sulphur. The method is implemented by spraying carbamide and sulphur in a liquid state onto a curtain of loose material within a rotating drum having internal blades. A sulphur melt or a carbamide melt or solution is sprayed simultaneously by two separate non intersecting sprays of circular section with diameters approximately equal to half the diameter of a circle formed by the free ends of the drum blades. The sulphur melt and carbamide melt or solution is sprinkled in the same direction along the axis of rotation of the drum. The invention ensures that the sulphur is distributed in a finely dispersed state within the fertilizer granules.

No. of Pages: 12 No. of Claims: 1

(21) Application No.276/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :13/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: TRANSPARENT SUPPORTED ELECTRODE FOR OLED

<ul> <li>(51) International classification</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>	:H01L51/52 :1256874 :17/07/2012 :France :PCT/FR2013/051704 :16/07/2013 :WO 2014/013183 :NA :NA :NA	(71)Name of Applicant:  1)SAINT GOBAIN GLASS FRANCE Address of Applicant:18 Avenue dAlsace F 92400  Courbevoie France (72)Name of Inventor: 1)MAZOYER Simon 2)LIENHART Fabien 3)SAUVINET Vincent
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#### (57) Abstract:

The present invention relates to an electrode for an organic light emitting diode including in series: (a) a transparent or translucent non conductive substrate (1) having a refractive index of 1.3 to 1.6; (b) a transparent electrode layer (2) made of a transparent conductive oxide or a transparent conductive organic polymer; and (c) a continuous array of metal lines (3) deposited on the transparent electrode layer (2) characterised in that said electrode layer also comprises (d) as a light diffusing means a diffusing translucent layer (4) having a refractive index of 1.7 to 2.4 placed between the non conductive substrate (1) and the electrode layer (2) and in that the continuous array of metal lines (3) consists at least on the interface for contact with the transparent electrode (2) of a metal or metal alloy having a reflectivity of at least 80 % on at least one portion of the visible light spectrum.

No. of Pages: 16 No. of Claims: 10

(21) Application No.293/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :13/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: VISCOUS FAN DRIVE SYSTEMS WITH FAN DRIVE SLIP FEEDBACK

:F01P5/02,F01P5/04,F16D35/00 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)BORGWARNER INC. :61/665291 (32) Priority Date :27/06/2012 Address of Applicant: Patent Department 3850 Hamlin Road (33) Name of priority country :U.S.A. Auburn Hills Michigan 48326 U.S.A. (72)Name of Inventor: (86) International Application No: PCT/US2013/047230 Filing Date 1)IGNATOVICH James E. :24/06/2013 (87) International Publication No: WO 2014/004335 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

A viscous fan drive which includes a moveable component in the scavenge or fill passageway that moves relative to pressure that is proportional to slip speed. The force which moves the component into and out of the passageway is directly proportional to the slip speed of the fan drive. This balances the fill and scavenge flow.

No. of Pages: 21 No. of Claims: 11

(21) Application No.452/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :18/02/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : METHOD FOR ADJUSTING A NATURAL GAS TEMPERATURE FOR A FUEL SUPPLY LINE OF A GAS TURBINE ENGINE

(51) International alocaification	:F23N1/00	(71) Nome of Applicant
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:13156508.7	1)ALSTOM TECHNOLOGY LTD
(32) Priority Date	:25/02/2013	Address of Applicant :BROWN BOVERI STRASSE, 7, 5400
(33) Name of priority country	:EUROPEAN	BADEN, SWITZERLAND
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:NA	1)KNAPP, KLAUS
Filing Date	:NA	2)MARX, PETER
(87) International Publication No	: NA	3)REYSER, KARL
(61) Patent of Addition to Application Number	:NA	4)GASSER-PAGAN,I MARIA-BELEN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The method for adjusting a natural gas temperature for a fuel supply line (6) of a gas turbine engine (1) comprises measuring by infrared analysis the natural gas percentage content of methane (CR4), ethane (C2HG), propane (C3H8), butane (C4HIO), carbon dioxide (C02), calculating the nitrogen (N2) percentage content as the complement to 100 of the measured percentage content of methane (CH4), ethane (C2H6), propane (C3H8), butane (C4H1O), carbon dioxide (C02), calculating an index indicative of the natural gas energy content, adjusting the natural gas temperature on the basis of the index.

No. of Pages: 19 No. of Claims: 6

(21) Application No.578/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention : PROCESS FOR THE PRODUCTION OF SUBSTITUTED ELECTRON RICH DIPHENYLACETYLENES

<ul> <li>(51) International classification</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>	:C07C 41/20 :09166121.5 :22/07/2009 :EPO :PCT/EP2010/060569 :21/07/2010 :WO 2011/009888 :NA :NA :NA	(71)Name of Applicant:  1)DSM IP ASSETS B.V.  Address of Applicant: HET OVERLOON 1, NL - 6411 TE HEERLEN, THE NETHERLANDS (72)Name of Inventor:  1)LETINOIS, ULLA 2)BONRATH, WERNER
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#### (57) Abstract:

The present invention relates to an improved process of production of substituted diphenylacetylenes (tolanes) of formula (I) which are starting materials for production of stilbenes products.

No. of Pages: 18 No. of Claims: 11

(21) Application No.5939/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/07/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: CONCENTRATING AN INK COMPOSITION

:NA

:G03G15/10,G03G15/11 (71)Name of Applicant : (51) International classification (31) Priority Document No :PCT/EP2012/050882

(32) Priority Date :20/01/2012

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2013/050969

Filing Date :18/01/2013

(87) International Publication No :WO 2013/107880

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date

1)HEWLETT PACKARD INDIGO B.V.

Address of Applicant: Startbaan 16 NL 1187 XR Amstelveen

Netherlands

(72) Name of Inventor:

1)SANDLER Mark

2)LIOR Shai

3)SCHNEIDER Avner

## (57) Abstract:

Disclosed herein is a method for concentrating an ink composition wherein the method comprises the steps of: (a) providing an ink composition the ink composition comprising a liquid carrier and particles comprising a resin and a colorant and wherein the ink composition contains less than 0.3 mg of charge director per g of solids in the ink composition; (b) passing the ink composition between a chargeable conveyor and a first electrode wherein a potential is applied such that the ink composition becomes adhered to the chargeable conveyor wherein the electric field between the chargeable conveyor and the first electrode is 2000 V/mm or more; (c) passing the ink composition on the conveyor past a moving surface wherein the ink contacts the moving surface and a potential is applied between the conveyor and the moving surface such that the chargeable particles are disposed to move toward the conveyor and some of the liquid carrier is removed to increase the concentration of the chargeable particles in the liquid carrier on the conveyor to form a concentrated ink on the conveyor the conveyor and the moving surface then diverging from one another and at least some of the concentrated ink remains on the conveyor and (d) removing the concentrated ink from the conveyor and transferring it to a storage vessel. Also disclosed herein is an apparatus.

No. of Pages: 38 No. of Claims: 15

(21) Application No.341/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :14/01/2015 (43) Publication Date : 12/06/2015

# (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></ul>	:F02B39/00,F02B37/00,F02C6/12 :102012012557.7 :25/06/2012	<ul> <li>(71)Name of Applicant:</li> <li>1)BORGWARNER INC.</li> <li>Address of Applicant: Patent Department 3850 Hamlin Road</li> </ul>
(33) Name of priority country	:Germany	Auburn Hills MI 48326 U.S.A.
(86) International Application No Filing Date	:PCT/US2013/046741 :20/06/2013	(72)Name of Inventor : 1)KOCH Silvio
(87) International Publication No	:WO 2014/004240	
(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 exhaust gas turbocharger (1) comprising a bearing housing (2) a bearing cartridge (8) inserted into the bearing housing (2) a shaft (7) which is mounted in the bearing cartridge (8) and which extends in an axial direction a bearing housing cover (9) which is connected to the bearing housing (2) a turbine wheel (5) which is arranged on the shaft (7) and a compressor wheel (6) which is arranged on the shaft (7) wherein the bearing housing cover (9) is connected directly to the bearing cartridge (8) in order to secure the bearing cartridge (8) in the axial direction and against rotation.

No. of Pages: 18 No. of Claims: 12

(21) Application No.561/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: RENEWABLE POLYOXYMETHYLENE COMPOSITIONS AND ARTICLES 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> <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>	:03/08/2010 :WO 2011/017357 :NA :NA :NA	(71)Name of Applicant:  1)E. I. DU PONT DE NEMOURS AND COMPANY Address of Applicant:1007 MARKET STREET, WILMINGTON, DELAWARE 19898, U.S.A. (72)Name of Inventor: 1)LAWSON, JAMES, R.
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Polyoxymethylene compositions having a polyoxymethylene polymer having a Mean Biobased Content of at least 20 per cent determined with ASTM-D6866 method. Processes of making the compositions and articles made from the compositions

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

(22) Date of filing of Application :15/07/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: TONER CARTRIDGE WITH PRESSURE EQUALIZATION 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> </ul>	:G03G9/08 :13/340814 :30/12/2011 :U.S.A. :PCT/US2012/065144 :15/11/2012 :WO 2013/101346	(71)Name of Applicant:  1)LEXMARK INTERNATIONAL INC. Address of Applicant: IP Law Department Bldg. 082 1 740 West New Circle Road Lexington KY 40550 U.S.A. (72)Name of Inventor: 1)LEEMHUIS James Richard 2)HACKNEY Gary Neal
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:15/11/2012	1)LEEMHUIS James Richard
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A toner cartridge having a pressure equalization system for equalizing a pressure differential between a toner reservoir in the toner cartridge and a toner sump developer unit containing ingested air utilizing a ducted shutter that opens and closes an exit port on the housing of the toner cartridge in combination with a passageway in fluid communication with the ducted shutter and the toner reservoir wherein when the toner cartridge is mated with a developer unit of the imaging apparatus and the shutter is in the open position exiting toner leaves the cartridge through the exit port and enters the developer unit while air entrained within the developer unit enters the toner reservoir via the exit port the duct and the passageway equalizing pressure between the toner cartridge and the developer unit.

No. of Pages: 35 No. of Claims: 13

(21) Application No.5924/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/07/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: CHEMICALLY PREPARED TONER FORMULATION INCLUDING A BORAX COUPLING 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> <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>	:G03G5/00 :13/339705 :29/12/2011 :U.S.A. :PCT/US2012/071932 :28/12/2012 :WO 2013/101995 :NA :NA	(71)Name of Applicant:  1)LEXMARK INTERNATIONAL INC.  Address of Applicant :IP Law Department Bldg. 82 1 740  West New Circle Road Lexington KY 40550 U.S.A.  (72)Name of Inventor:  1)SUN Jing X.  2)DIGGS Kofi Opare
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A chemically prepared toner composition according to one example embodiment includes a core including a first polymer binder a colorant and a release agent; a shell that is formed around the core and includes a second polymer binder; and a borax coupling agent between the core and the shell.

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

(22) Date of filing of Application :15/07/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: CAPACITIVE TONER LEVEL 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G03G15/08 :13/340789 :30/12/2011 :U.S.A. :PCT/US2012/072009 :28/12/2012 :WO 2013/102037 :NA :NA :NA	(71)Name of Applicant:  1)LEXMARK INTERNATIONAL INC. Address of Applicant: IP Law Department 740 West New Circle Road Lexington KY 40550 U.S.A. (72)Name of Inventor: 1)BARRY Raymond James 2)CARTER James Anthony II 3)CAVILL Gregory Alan 4)LEEMHUIS Michael Craig 5)NEWMAN Benjamin Keith 6)POTERJOY Joshua Carl 7)THOMAS Keisha Josephine 8)TRUE Jason Carl
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### (57) Abstract:

A toner container including a first electrode disposed within the toner container a second electrode electrically connected to the first electrode and disposed within the toner container and a sense electrode disposed between the first electrode and the second electrode. The sense electrode and the first electrode form a first capacitor having a first capacitance that changes in response to a change in toner amount existing therebetween. The sense electrode and the second electrode form a second capacitor having a second capacitance that changes in response to a change in toner amount existing therebetween

No. of Pages: 24 No. of Claims: 20

(22) Date of filing of Application :15/07/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: TONER CARTRIDGE HAVING A SHUTTER LOCK 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> <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>	:G03G15/08 :13/340876 :30/12/2011 :U.S.A. :PCT/US2012/065152 :15/11/2012 :WO 2013/101351 :NA :NA :NA	(71)Name of Applicant:  1)LEXMARK INTERNATIONAL INC. Address of Applicant: IP Law Department Bldg. 082 1 740 West New Circle Road Lexington KY 40550 U.S.A. (72)Name of Inventor: 1)NEWMAN Benjamin Keith 2)ROGERS Matthew Lee 3)VOWELS Christopher Gene
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### (57) Abstract:

A toner cartridge for use in an image forming device according to one example embodiment includes a housing having a reservoir for containing toner therein. The housing has an exit port in fluid communication with the reservoir. A shutter is positioned at the exit port that is movable between an open position and a closed position. The shutter is biased toward the closed position. A linkage is operatively connected to the shutter to open the shutter upon being actuated by a first engagement feature in the image forming device. An interlock is operatively engaged with the linkage and biased toward a locked position preventing the linkage from opening the shutter. The interlock is movable to an unlocked position that is disengaged with the linkage when the interlock is actuated by a second engagement feature in the image forming device permitting the linkage to open the shutter.

No. of Pages: 39 No. of Claims: 15

(21) Application No.5932/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/07/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: SCOOTER

(51) International classification	:B62K3/00,B62K13/00	(71)Name of Applicant:
(31) Priority Document No	:A 50019/2011	1)SCOOT & RIDE GMBH
(32) Priority Date	:22/12/2011	Address of Applicant :Steiffstrasse 1 A 4710 Grieskirchen
(33) Name of priority country	:Austria	Austria
(86) International Application No	:PCT/AT2012/000317	(72)Name of Inventor:
Filing Date	:12/12/2012	1)BERNDORFER Wolfgang
(87) International Publication No	:WO 2013/090953	2)KIRCHSCHLAGER Robert
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A scooter is described with a chassis (1) which has a guide bearing (2) for a steering column (4) holding the front wheel (3) and a supporting arm (5) which has a seat (11) for a pivotable footboard (7) which is provided with a rear wheel (8). In order to achieve simple readjustment to a training bike it is proposed that the supporting arm (5) which is connected to the footboard (7) is coupled to the guide bearing (2) so as to be pivotable about an axis (10) running through the centre point of the rear wheel (8).

No. of Pages: 9 No. of Claims: 4

(21) Application No.5934/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/07/2014 (43) Publication Date: 12/06/2015

# (54) Title of the invention: REFORMED COAL PRODUCTION EQUIPMENT

(51) International classification: C10L9/08,C10B47/30,C10B57/10 (71) Name of Applicant:

(31) Priority Document No :2012038514 (32) Priority Date :24/02/2012

(33) Name of priority country :Japan

(86) International Application :PCT/JP2013/054251

:21/02/2013 Filing Date

(87) International Publication

:WO 2013/125608

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

1)MITSUBISHI HEAVY INDUSTRIES LTD.

Address of Applicant :16 5 Konan 2 chome Minato ku Tokyo

1088215 Japan

(72)Name of Inventor: 1)NAKAGAWA Keiichi 2)OMOTO Setsuo 3)SATO Fumiaki

4)SATOU Jun

The purpose of the present invention is to provide reformed coal production equipment whereby it is possible to efficiently remove tar without lowering the production amount of reformed coal. Reformed coal production equipment provided with: a combustion furnace (124) for generating heated gas (11); a dry distillation gas supply pipe (101) for supplying dry distillation gas (14) that was generated at a dry distillation device to the combustion furnace; a vapor generator (125) to which a portion of the heated gas generated at the combustion furnace is supplied and which generates waste heat gas (13) by subjecting the heated gas to heat exchange; and a discharge pipe (52) a waste heat gas delivery pipe (54) a mixed gas delivery pipe (55) a blower (126) a mixed gas supply pipe (56) a mixed gas branching pipe (102) a flow rate adjustment valve (103) and a mixed gas communication pipe (104) which supply to the dry distillation gas supply pipe the waste heat gas and low temperature heated gas (12) formed by indirectly heating dried coal by means of the heated gas at the dry distillation device (121).

No. of Pages: 17 No. of Claims: 2

(21) Application No.5936/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/07/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: APPARATUS AND METHOD FOR RETREADING TYRES

(51) International classification	:B29D30/54	(71)Name of Applicant:
(31) Priority Document No	:2011905259	1)ERDMAN Alan
(32) Priority Date	:16/12/2011	Address of Applicant :98 Waratah Street Mona Vale NSW
(33) Name of priority country	:Australia	2103 Australia
(86) International Application No	:PCT/AU2012/001533	(72)Name of Inventor:
Filing Date	:14/12/2012	1)ERDMAN Alan
(87) International Publication No	:WO 2013/086577	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to an apparatus (10) and a method for retreading a tyre (16) having a worn surface (12). The worn surface (12) is made of a thermoplastic elastomer. The apparatus (10) includes a heater (34) and a 3D printer (18). The heater (34) is adapted to heat up the worn surface (12) to a desired temperature. The 3D printer (18) is adapted to lay one or more layers of the thermoplastic elastomer onto the heated worn surface (12). The or each layer of thermoplastic elastomer is capable of adhering to the heated worn surface (12) or previously laid layer without requiring an adhesive medium or agent.

No. of Pages: 22 No. of Claims: 37

(21) Application No.5937/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/07/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: MODIFIED CASCADE RIBONUCLEOPROTEINS AND USES THEREOF

(51) International :C12N9/22,C12N15/74,C07K14/195 classification

(31) Priority Document No :1122458.1 (32) Priority Date :30/12/2011

(33) Name of priority country:U.K.

(86) International :PCT/EP2012/076674

Application No :21/12/2012 Filing Date

(87) International Publication :WO 2013/098244

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)WAGENINGEN UNIVERSITEIT

Address of Applicant: Droevendaalsesteeg 4 NL 6708 PB

Wageningen Netherlands (72) Name of Inventor:

1)BROUNS Stan Johan Jozef 2) VAN DER OOST John

### (57) Abstract:

A clustered regularly interspaced short palindromic repeat (CRISPR) associated complex for adaptive antiviral defence(Cascade); the Cascade protein complex comprising at least CRISPR associated protein subunits Cas7 Cas5 and Cas6 which includes at least one subunit with an additional amino acid sequence possessing nucleic acid or chromatin modifying visualising transcription activating or transcription repressing activity. The Cascade complex with additional activity is combined with an RNA molecule to produce a ribonucleoprotein complex. The RNA molecule is selected to have substantial complementarity to a target sequence. Targeted ribonucleoproteins can be used as genetic engineering tools for precise cutting of nucleic acids in homologous recombination non homologous end joining gene modification gene integration mutation repair or for their visualisation transcriptional activation or repression. A pair of ribonucleotides fused to FokI dimers may be used to generate double strand breakages in the DNA to facilitate these applications in a sequence specific manner.

No. of Pages: 153 No. of Claims: 46

(21) Application No.457/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :18/02/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: TIBIAL TRIAL INSTRUMENTS FOR SETTING 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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:A61F2/38 :13/801,370 :13/03/2013 :U.S.A. :NA :NA : NA	Address of Applicant :LOUGHBEG INDUSTRIAL ESTATE, RINGASKIDDY, CO CORK, IRELAND (72)Name of Inventor: 1)LISA M. MAJOR 2)RYAN C. KEEFER
•	: NA :NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

### (57) Abstract:

An orthopaedic surgical instrument assembly is disclosed. The assembly includes a tibial base trial adapted to be positioned on a surgically prepared proximal end of a patients tibia, a base fastener, and a stem adaptor secured to the base fastener. The stem adaptor includes a first adaptor body engaged with a lower surface of the tibial base trial and a second adaptor body pivotally coupled to the first adaptor body. A stem trial is removably coupled to the second adaptor body of the stem adaptor.

No. of Pages: 96 No. of Claims: 20

(21) Application No.520/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :25/02/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: ISCHEMIC STROKE 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>	A61M29/02 :13/801,979	(71)Name of Applicant:  1)DEPUY SYNTHES PRODUCTS, LLC Address of Applicant:325, PARAMOUNT DRIVE, RAYNHAM, MA 02767, U.S.A. (72)Name of Inventor: 1)BRETT ALLEN FOLLMER 2)SHEILA VALLESTEROS ASUNCION
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### (57) Abstract:

An ischemic stroke device includes a telescoping support member, a first or proximal expandable member connected to the telescoping support member, and a second or distal expandable member connected to the first expandable member. A proximal portion of the first expandable member is attached to a distal end of an outer shaft of the telescoping support member, and a distal end of the first expandable member is attached to a distal portion of an inner core wire of the telescoping support member. The proximal end of the second expandable member is pemianently joined to the distal end of the inner core wire. The first expandable member everts to cover the second expandable member that is used to capture an obstruction or clot, prior to pulling the obstruction or clot into a catheter for removal from a patients vasculature.

No. of Pages: 18 No. of Claims: 21

(21) Application No.552/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention : POROUS CARBON OXIDE NANOCOMPOSITE ELECTRODES FOR HIGH ENERGY DEMISTY SUPERCAPACITORS

<ul> <li>(51) International classification</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>	:H01G 9/22 :61/232,831 :11/08/2009 :U.S.A. :PCT/US2010/036104 :26/05/2010 :WO 2011/019431 :NA :NA	(71)Name of Applicant:  1)SIEMENS ENERGY INC.  Address of Applicant: 4400 ALAFAYA TRAIL, ORLANDO, FLORIDA 32826-2399, U.S.A.  (72)Name of Inventor:  1)CHUN LU  2)KEVIN HUANG 3)ROSWELL J. RUKA
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A high energy density supercapacitor is provided by using nanocomposite electrodes having an electrically conductive carbon network (15) having a surface area greater than 2,000 m2/g and a pseudo-capacitive metal oxide (16) such as MnO2. The conductive carbon network (15) is incorporated into a porous metal oxide structure to introduce sufficient electricity conductivity so that the bulk of metal oxide (16) is utilized for charge storage, and/or the surface of the conductive carbon network (15) is decorated with metal oxide to increase the surface area and amount of pseudo-capacitive metal oxide in the nanocomposite electrode for charge storage.

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

(21) Application No.582/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHOD FOR CONNECTING HOUSING PARTS

<ul> <li>(51) International classification</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>	:B21D 39/03 :10 2009 040 915.7 :10/09/2009 :Germany :PCT/EP2010/062270 :23/08/2010 :WO 2011/029714 :NA :NA	(71)Name of Applicant:  1)CONTINENTAL AUTOMOTIVE GMBH Address of Applicant: VAHRENWALDER STRAE 9, 30165 HANNOVER, Germany (72)Name of Inventor: 1)BRANTSCH; HELMUT
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a method for connecting housing parts, wherein the method comprises fixing at least two housing parts, wherein a circuit board can be disposed between the housing parts, wherein the housing parts are fixed contacting each other at least at the edge regions thereof, and connecting the housing parts in partial regions of the edge regions thereof by means of clinching.

No. of Pages: 14 No. of Claims: 12

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SEALABLE CONTAINER LININGS AND SEALABLE CONTAINERS

<ul> <li>(51) International classification</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>	:B65D 25/14 :61/227,625 :22/07/2009 :U.S.A. :PCT/US2010/033338 :03/05/2010 :WO 2011/011103 :NA :NA	(71)Name of Applicant:  1)HONEYWELL INTERNATIONAL INC. Address of Applicant:101 COLUMBIA ROAD, MORRISTOWN, NEW JERSEY 07962, U.S.A. (72)Name of Inventor: 1)JAMES A. WESTRA 2)SANDRA MAE LORENZ
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A sealable container includes a substantially rigid housing having an inner surface and an opening and a liner including: a) a collar formed at least from a fluoropolymer material and sized and shaped to removably engage the opening in the housing; and b) a flexible bag, having an opening, sealed to the collar, and including a composite of an abrasion resistant reinforcing material and an inner fluoropolymer material that is substantially inert to content in the container and compatible with the fluoropolymer material of the collar, the bag being sized and shaped to pass through the opening in the housing and expand such that the abrasion resistant reinforcing material can be in contact with at least a substantial portion of the inner surface of the housing.

No. of Pages: 13 No. of Claims: 7

(22) Date of filing of Application :10/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: WIND ENERGY FROM RUNNING RAILWAY TRAINS.

(51) International classification	:F03D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SWAMY, R.K
(32) Priority Date	:NA	Address of Applicant :27-B, RAJENDRA VIHAR, NEW
(33) Name of priority country	:NA	AKASHWANI COLONY, KOTA-324001, RAJASTHAN,
(86) International Application No	:NA	INDIA.
Filing Date	:NA	2)SWAMY, CHANDRA
(87) International Publication No	: NA	3)SWAMY, ALPHA
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SWAMY, R.K
(62) Divisional to Application Number	:NA	2)SWAMY, CHANDRA
Filing Date	:NA	3)SWAMY, ALPHA

## (57) Abstract:

The invention and novel method of generating electricity by renewable energy- Wind Energy from running Railway Trains - is usehl to produce electricity with out huge expenses, land and extra build infrastructures; by using, wind turbine & generator - mounted (Fig.1) Opon readily available rooftop of railway train coaches running in the open air tracks. The wind flow during the running of trains is higher, according to the speed of the train, creates wind power in many folds and spins the blades with Rotor of Wind Turbine. It rotates turbine shaftconnected to the Gear Box. The gear box increases the rotation and spins the generator shaft; hence the generator produces electrical power (Fig.2). Electricity produced by this novel method is cheaper, economic, quick, safe, pollution-free and technically utilizing high velocity of wind flow and by converting into the wind power of many folds during the running of railway coaches.

No. of Pages: 16 No. of Claims: 10

(21) Application No.559/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: DUAL FUEL HEATING SYSTEM AND AIR SHUTTER

<ul> <li>(51) International classification</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>	:F23C 1/08 :61/221,528 :29/06/2009 :U.S.A. :PCT/US2010/039668 :23/06/2010 :WO 2011/002653 :NA :NA	(71)Name of Applicant: 1)DENG, DAVID Address of Applicant: 23622 RIDGELINE ROAD, DIAMOND BAR, CA 91765, U.S.A. (72)Name of Inventor: 1)DENG, DAVID
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A dual fuel heating system (10) can be used in a gas appliance. The system can have an air shutter (60) to regulate an amount of air that can mix with the fuel for combustion. The air shutter can be configured to have different positions depending on the type of fuel to be used.

No. of Pages: 86 No. of Claims: 15

(21) Application No.575/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: REMOVABLE SPOUT FOR A HOPPER

<ul> <li>(51) International classification</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>	:C25C 3/14 :2,671,136 :06/07/2009 :Canada :PCT/CA2010/000975 :22/06/2010 :WO 2011/003176 :NA :NA	(71)Name of Applicant:  1)RIO TINTO ALCAN INTERNATIONAL LIMITED  Address of Applicant: 1188 SHERBROOKE STREET WEST,  MONTREAL, QUEBEC H3A 3G2, CANADA,  (72)Name of Inventor:  1)GAUTHIER, GILLES
Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A spout (10) is removably mounted to a hopper (1) of an electrolytic cell by a coupling (28) allowing the spout (10) to rock relative to the spout when jarred. A handler (40) is provided for the mounting of the spout (10) onto the hopper (1) without an operator entering into the electrolytic cell.

No. of Pages: 24 No. of Claims: 19

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention : METHOD OF MANUFACTURING A CURRENT TERMINAL FOR EMBEDDED POLE PART AND POLE PART ITSELF

<ul> <li>(51) International classification</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>	:H01H 33/662 :09009398.0 :20/07/2009 :EPO :PCT/EP2010/004397 :19/07/2010	(71)Name of Applicant:  1)ABB TECHNOLOGY AG  Address of Applicant: AFFOLTERNSTRASSE 44, CH-8050  ZURICH, SWITZERLAND  (72)Name of Inventor:  1)CHRISTOF HUMPERT
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:19/07/2010 :WO 2011/009582 :NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a Method of manufacturing a current terminal for embedded pole part, in which a vacuum interrupter will be moulded by a isolating coverage in a hot and pressure injection process, and pole part itself, in accordance with the preamble of patent claim 1 and 6. It is an object of the invention, that at the position of the upper electric terminal at the fixed contact side of the vacuum interrupter a pressure protecting element is placed into the mould, at least close to the upper part the fixed contact side of the vacuum interrupter and/or together with it, and that the protecting and reinforcement element and the terminal as well as the vacuum interrupter will be embedded by injection moulding.

No. of Pages: 13 No. of Claims: 8

(22) Date of filing of Application :20/01/2012

(43) Publication Date: 12/06/2015

# (54) Title of the invention : METHOD AND DEVICE FOR KEEPING COKE FURNACE CHAMBERS HOT WHEN A WASTE HEAT BOILER IS STOPPED

<ul> <li>(51) International classification</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>	:F16T :10 2009 031 436.9 :01/07/2009 :Germany :PCT/EP2010/002743 :05/05/2010 : NA :NA	(71)Name of Applicant:  1)ThyssenKrupp Uhde GmbH  Address of Applicant:Friedrich-Uhde-Strasse 15 44141  Dortmund Germany. (72)Name of Inventor:  1)Hans-Joachim REICHELT  2)Helmut SCHULTE
- 14/		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a process for keeping coke oven chambers hot during the stoppage of a waste heat boiler wherein the coke oven chambers are kept hot during the stoppage after emptying using externally heated burners as a result of which a flue gas low in pollutants is obtained from said burners such that the waste heat boilers which during normal operation cool the flue gases from the coke oven benches and use said gases to produce steam can be shut off and overhauled and a flue gas low in pollutants which can be dissipated directly into the atmosphere is obtained by the burner operation. .....

No. of Pages: 20 No. of Claims: 8

(21) Application No.343/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 14/01/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention : ABRASIVE PARTICLES HAVING PARTICULAR SHAPES AND METHODS OF FORMING SUCH PARTICLES

(51) International classification: B24D18/00,C09K3/14,C09C1/68 (71) Name of Applicant: (31) Priority Document No 1)SAINT GOBAIN CERAMICS & PLASTICS INC. :61/666746 (32) Priority Date :29/06/2012 Address of Applicant :One New Bond Street Worcester Massachusetts 01615 0138 U.S.A. (33) Name of priority country :U.S.A. (86) International Application (72) Name of Inventor: :PCT/US2013/048768 1)YENER Doruk Omer :28/06/2013 Filing Date 2) CZEREPINSKI Jennifer H. (87) International Publication 3)KAVANAUGH Michael D. :WO 2014/005120 4)MARLIN Samuel (61) Patent of Addition to 5)BREDER Kristin K. :NA **Application Number** 6) IYENGAR Sujatha :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

A shaped abrasive particle including a body having a length (l) a width (w) and a height (hi) wherein the height is at least about 28% of the width and a percent flashing (f) of at least about 10% and not greater than about 45% for a total side area of the body.

No. of Pages: 67 No. of Claims: 140

(21) Application No.548/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PESTICIDAL COMPOSITIONS

(51) International classification	:A01N 43/64	(71)Name of Applicant :
(31) Priority Document No	:61/232,142	1)DOW AGROSCIENCES LLC
(32) Priority Date	:07/08/2009	Address of Applicant :9330 ZIONSVILLE ROAD,
(33) Name of priority country	:U.S.A.	INDIANAPOLIS, IN 46268-1054, U.S.A.
(86) International Application No	:PCT/US2010/044538	(72)Name of Inventor:
Filing Date	:05/08/2010	1)WILLIAM LAMBERT
(87) International Publication No	:WO 2011/017513	2)GARY CROUSE
(61) Patent of Addition to Application	:NA	3)THOMAS SPARKS
Number	:NA	4)DENISE CUD WORTH
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Pesticidal compositions and their uses are disclosed.

No. of Pages: 127 No. of Claims: 15

(21) Application No.579/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/01/2012 (43) Publication Date: 12/06/2015

# (54) Title of the invention: APPARATUS AND METHOD FOR ELECTROCHEMICAL TREATMENT OF WASTEWATER

<ul> <li>(51) International classification</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>	:C02F 1/469 :61/221,522 :29/06/2009 :U.S.A. :PCT/CA2010/000930 :23/06/2010 :WO 2011/000079 :NA :NA	(71)Name of Applicant:  1)PROTERRGO INC.  Address of Applicant: 4035 ST-AMBROISE, SUITE 416N, MONTREAL, QUEBEC H4C 2E1, CANADA (72)Name of Inventor:  1)POIRIER, NICOLE A.  2)LEVEILLE, VALERIE
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The wastewater treatment apparatus of present invention has an electro-coagulation unit for removing contaminants with at least one anode and at least one cathode and an electro-oxidation unit for oxidizing contaminants with at least one anode and at least one cathode wherein oxidants are electro-chemically generated. Based on the type of wastewater, the apparatus can have an electro-flotation unit between the electro-coagulation unit and the electro-oxidation unit. The apparatus also has an oxidant removal unit which can have a metal ion-liberating electrode for reacting with and removing residual oxidants. In some cases, portions of effluent from the oxidant removal unit can be recirculated to the electro-coagulation unit for increased efficiency.

No. of Pages: 49 No. of Claims: 56

(22) Date of filing of Application :04/03/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: METHOD FOR OPERATING A COMBINED-CYCLE 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</li> </ul>	:13158048.2 :06/03/2013 :EUROPEAN UNION :NA :NA : NA : NA :NA	(71)Name of Applicant:  1)ALSTOM TECHNOLOGY LTD  Address of Applicant:BROWN BOVERI STRASSE 7, 5400  BADEN, SWITZERLAND (72)Name of Inventor:  1)OLIA, HAMID 2)SCHLESIER, JAN 3)BREITFELD, MICHAEL 4)BRUNNER, PHILIPP
Filing Date	:NA	

### (57) Abstract:

Method for operating a combined-cycle power plant (1), the plant (1) comprising at least a gas turbine (2) and at least a steam power generation system (10), the plant (1) activating at least one electric generator (20) connectable to an electric grid (21), wherein the gas turbine (2) comprises a compressor (3) and wherein the steam power generation system (10) comprises a steam turbine (12), a heat recovery steam generator (11) and a bypass line (40), the method being such that the gas turbine (2) de-loads to a condition, where the compressor (3) operates at its nominal speed, the method being further such that the steam turbine (12) deloads in coordination with the de-load of the gas turbine (2), to a condition where the total load exported by the plant (1) to the grid (21) is substantially equal to zero, being both the gas turbine (2) and the steam power generation system (10) connected.

No. of Pages: 14 No. of Claims: 10

(22) Date of filing of Application :20/01/2012

(43) Publication Date: 12/06/2015

# (54) Title of the invention: BASE STATION, COMMUNICATION SYSTEM, MOBILE TERMINAL, AND RELAY 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>	:H04W 72/04 :JP2009-174589 :27/07/2009 :Japan :PC/JP2010/059853 :10/06/2010 :WO 2011/013448 :NA :NA	(71)Name of Applicant:  1)SONY CORPORATION Address of Applicant:1-7-1 KONAN, MINATO-KU, TOKYO 108-0075, JAPAN (72)Name of Inventor: 1)HIROAKI TAKANO
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### (57) Abstract:

A base station is provided with a communication unit for communicating with a mobile terminal via a relay link between the base station and a relay device and an access link between the relay device and the mobile terminal, and a selection unit for selecting an allocation pattern of an uplink of the relay link, a downlink of the relay link, an uplink of the access link, and a downlink of the access link to frequency-time blocks from a plurality of allocation patterns that are different in delay occurring between the base station and the mobile terminal.

No. of Pages: 51 No. of Claims: 12

(22) Date of filing of Application :20/01/2012

(43) Publication Date: 12/06/2015

(54) Title of the invention: 'ARALKYL BENZYL ETHERS COMPOUNDS, PROCESS FOR PREPARATION THEREOF, INTERMEDIATE COMPOUNDS, USE OF SUCH COMPOUNDS, METHODS OF TREATMENT AND/OR PREVENTION, AND PHARMACEUTICAL COMPOSITION CONTAINING THE SAME 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> </ul>	:C07D 233/56 :PI0904249-0 :28/08/2009 :Brazil :PCT/BR2010/000276 :27/08/2010	(71)Name of Applicant:  1)BIOLAB SANUS FARMACEUTICA LTDA Address of Applicant: AV. PAULO AYRES, 280, VILA IASI, 06767-220 TOBOAO DA SERRA-SP, BRAZIL (72)Name of Inventor: 1)KEPPLER, ARTUR FRANZ
<ul> <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>	:WO 2011/022798 :NA :NA :NA :NA	2)SACURAI, SERGIO LUIZ 3)ZAIM, MARCIO HENRIQUE 4)TOUZARIM, CARIOS EDUARDO DA COSTA

#### (57) Abstract:

This invention describes new antifungal compounds that are aralkyl benzyl ethers of the formula (I): wherein: Ar represents aryl, imidazolil, 1,2,4-triazolyl, benzimidazolil; R1, R2, R4 and R5 are independently hydrogen, halogen, C1-6 alkyl; R3 represents halogen, C1-6alkyl or O-R' where R'represents hydrogen or lower alkyl; R6 represents aryl, substituted aryl, trifluoromethyl, trichloromethyl or O-R' where R' represents hydrogen or lower alkyl; being the substituents of the aryl a halogen or a radical tetrazolyl; n and m represent independently an integer between 0 and 5; With the proviso that when Ar is imidazolil, R3 is chlorine, R6 is p-phenyl and R1, R2, R4 and R5 are hydrogen, n must be different from 2. When n and m are not 0 and 1, R3 or R6 can be represented by substituents not necessarily equal. This invention also refers to their salts, solvates, prodrugs, esters, enantiomers and/or pharmaceutically acceptable diastereoisomers, or mixtures thereof, processes for the preparation of these compounds, intermediate compounds, pharmaceutical compositions comprising such compounds and/or derivatives, including those compounds and/or derivatives, as well as the uses and methods of these compounds and/or derivatives for the treatment and/or prevention of conditions and/or diseases caused by microorganisms such as fungi, bacteria and/or protozoa, for the inhibition of proliferation and/or survival of said microorganisms, for the treatment and/or prevention of microorganisms in an individual, and for the manufacture of a medicine.

No. of Pages: 62 No. of Claims: 90

(22) Date of filing of Application :17/02/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: APPARATUS AND METHOD FOR CONTROLLING HOT ROLLING TANDEW MILL

(51) International classification	:b21B	(71)Name of Applicant:
(31) Priority Document No	:2013-	1)HITACHI, LTD.
(31) Thority Document No	067539	Address of Applicant :6-6, MARUNOUCHI 1-CHOME,
(32) Priority Date	:27/03/2013	CHIYODA-KU, TOKYO, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)KAYAMA MASAHIRO
Filing Date	:NA	2)HAYASHI GOSUKE
(87) International Publication No	: NA	3)KOBAYASHI TAKUYA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An apparatus (100) for controlling a hot rolling tandem mill for continuously controlling rolling of a steel strip (161) by a work roll (153) provided in each of a plurality of rolling stands (152) has a configuration as follows. By paying attention to the fact that a risk that a rolling speed reaches an upper limit is different depending on characteristics of the steel strip (161), a speed margin is made capable of being set for each steel strip (161), and a maximum value of the rolling speed that can be set by a setup calculation is made appropriate. Here, control is executed so that, when the rolling speed of the specific rolling stand (152) reaches the upper limit value of the roll speed during rolling, the rolling speed of each of the rolling stands (152) is lowered, and disturbance of a speed balance between the rolling stands (152) is minimized more preferably.

No. of Pages: 37 No. of Claims: 9

(21) Application No.553/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention : DEVICE FOR VARIABLY ADJUSTING THE CONTROL TIMES OF GAS EXCHANGE VALVES OF AN INTERNAL COMBUSTION ENGINE

(51) International classification :F01L 1/344 (71)Name of Applicant: (31) Priority Document No 1)SCHAEFFLER TECHNOLOGIES AG & CO. KG :10 2009 042 202.1 (32) Priority Date :18/09/2009 Address of Applicant :INDUSTRIESTRASSE 1-3, 91074 (33) Name of priority country HERZOGENAURACH, Germany :Germany (86) International Application No :PCT/EP2010/062212 (72)Name of Inventor : Filing Date :23/08/2010 1)JURGEN PLATE (87) International Publication No :WO 2011/032805 2) JOCHEN AUCHTER (61) Patent of Addition to Application 3)LUTZ WITTHOFT :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

The invention relates to a device (11) for variably adjusting the control times of gas exchange valves (9, 10) of an internal combustion engine (I) having a hy¬draulic phase adjustment device (12) and at least one volu¬me accumulator (31), wherein the phase adjustment device (12) can he brought into driving connection with a cranks-haft (2) and a camshaft (6, 7) and at least one early adjust¬ment chamber (24) and at least one late adjustment cham¬ber (25) which can be supplied with pressure mediums via pressure medium lines (26a, b, p, v), or from vhich pres¬sure mediums can be drained. A phase position of the camshaft (6, 7) can be adjusted relative to the orankshaft (2) in the direction of early control times by supplying pressure mediums to the early adjustment chamber (24) while simultaneously draining pressure mediums from the late adjustment chamber (25), wherein a phase position of the camshaft (6, 7) can be adjusted relative to the cranks¬haft (2) in. the direction of late control times by supplying pressure mediums to the late adjustment chamber (25) while simultaneously draining pressure mediums from the early adjustment chamber (24), wherein pressure mediums can be supplied to the volume accumulator(s) (31) during operation of the internal combustion engine (1).

No. of Pages: 52 No. of Claims: 10

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHOD FOR THE PRODUCTION OF STRETCHABLE ELECTRODES

(51) International classification	:H01M 4/04	(71)Name of Applicant:
(31) Priority Document No	:09009472.3	1)BAYER MATERIALSCIENCE AG
(32) Priority Date	:22/07/2009	Address of Applicant :51368 LEVERKUSEN, Germany
(33) Name of priority country	:EUROPEAN	(72)Name of Inventor:
	UNION	1)STEPHANIE VOGEL
(86) International Application No	:PCT/EP2010/004283	2)JOACHIM WAGNER
Filing Date	:14/07/2010	3)CHRISTEL FUSSANGEL
(87) International Publication No	:WO 2011/009549	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to a method for producing stretchable electrodes, where electrically conductive carbon particles, especially carbon nanotubes, are introduced into a coating comprising an elastomer. In said method, a preparation of non-aggregated carbon particles having an average particle diameter ranging from > 0.3 ran to < 3000 mn in a solvent acts upon a coating comprising an elastomer. The solvent can cause a coating comprising an elastomer to swell. The duration of the action is calculated so as to be insufficient to dissolve the elastomer. Optionally, another electrically conductive layer is applied. The invention also relates to a stretchable electrode obtained in said manner and to the use thereof.

No. of Pages: 29 No. of Claims: 15

(21) Application No.616/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/01/2012 (43) Publication Date: 12/06/2015

(54) Title of the invention: SECURITY HOIST

(51) International classification	:B66D 1/74	(71)Name of Applicant:
(31) Priority Document No	:09165814.6	1)LEEMANS, HUGO
(32) Priority Date	:17/07/2009	Address of Applicant :KERLEMEERS, 7, B-1790
(22) Name of priority country	:EUROPEAN	AFFLIGEM, BELGIUM
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:PCT/EP2010/059773	1)LEEMANS, HUGO
Filing Date	:08/07/2010	2)DE MIDDELAER, GUY
(87) International Publication No	:WO 2011/006817	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A hoist or capstan comprises a driving pulley (8). The latter comprises a peripheral groove (20) for taking a cable and two substantially parallel pulley halves (16,18), each pulley halve comprising a flank forming the lateral side of the peripheral groove (20) and being axially pulled toward each other so as to prevent the slipping of a cable by elastic means (22) formed of a continuous polymer ring.

No. of Pages: 19 No. of Claims: 9

(22) Date of filing of Application :15/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : CYCLOALKANE OXIDATION CATALYSTS AND METHOD TO PRODUCE ALCOHOLS AND KETONES

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:NA :NA :NA :PCT/CN2012/079172 :26/07/2012 :WO 2014/015491 :NA	(71)Name of Applicant:  1)RHODIA OPERATIONS  Address of Applicant: 25 Rue De Clichy F 75009 Paris 09  France  2)ECOLE NORMALE SUP‰RIEURE DE LYON  3)EAST CHINA NORMAL UNIVERSITY  4)RHODIA CO LTD  (72)Name of Inventor:  1)DECAMPO Floryan  2)ZHOU Wenjuan  3)WU Peng  4)XUE Kai  5)LIU Yueming
Application Number Filing Date	:NA :NA	5)LIU Yueming 6)HE Mingyuan
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Disclosed is a method of oxidizing a cycloalkane to form a product mixture containing a corresponding alcohol and ketone said method comprising contacting a cycloalkane with a hydroperoxide in the presence of a catalytic effective amount of a crystalline MWW type titanosilicate catalyst. Hydroperoxides may notably be tert butyl hydroperoxide tert amyl hydroperoxide cumene hydroperoxide ethylbenzene hydroperoxide cyclohexyl hydroperoxide methylcyclohexyl hydroperoxide tetralin hydroperoxide isobutylbenzene hydroperoxide and ethylnaphthalene hydroperoxide.

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

(21) Application No.443/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :17/02/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHOD FOR SYNCHRONIZING AN INTERNAL COMBUSTION ENGINE

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	F02D 102013203400.8 28/02/2013 Germany NA NA NA NA NA NA	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant: POSTFACH 30 02 20, 70442  STUTTGART, Germany (72)Name of Inventor:  1)MENCHER, BERNHARD  2)STIEF, FLORIAN
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# (57) Abstract:

THE PRESENT INVENTION RELATES TO A METHOD FOR SYNCHRONIZING AN INTERNAL COMBUSTION ENGINE, IN WHICH DIFFERENT SYNCHRONIZATION METHODS ARE PRESENT, WHEREIN THE USE OF DIFFERENT SYNCHRONIZATION METHODS DEPENDS ON OPERATING PARAMETERS OF THE INTERNAL COMBUSTION ENGINE.

No. of Pages: 15 No. of Claims: 12

(22) Date of filing of Application :20/02/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SOLENOID OPERATED VALVE WITH CONSTANT BLEED PORT

<ul> <li>(51) International classification</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>	:13/836,361 :15/03/2013 :U.S.A. :NA :NA	(71)Name of Applicant: 1)MAC VALVES, INC. Address of Applicant: 30569 BECK ROAD WIXOM, MICHIGAN 48393, U.S.A. (72)Name of Inventor: 1)NEFF, MATTHEW 2)JANSSEN, ERIC P.
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA	2)JANSSEN, ERIC P.
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A pressure balanced solenoid operated valve includes a solenoid portion having a coil. A valve member portion is connected to the solenoid portion. The valve member portion has a body including: first and second valve seats; a first cavity positioned between the first valve seat and a valve outlet port. A valve member slidably disposed in the body has a resilient valve element positioned between the first and second valve seats, the resilient valve element when in direct contact with the first valve seat defining a valve closed position. A bleed port created in the body between the first valve seat and the valve outlet port and opening into the first cavity provides a flow path for a pressurized fluid present at the second valve seat in the valve closed position to continuously flow out through the valve outlet port.

No. of Pages: 38 No. of Claims: 21

(21) Application No.571/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/01/2012 (43) Publication Date: 12/06/2015

# (54) Title of the invention: MESOIONIC PESTICIDES

(51) International classification	:C07D 239/54	(71)Name of Applicant :
(31) Priority Document No	:61/231,464	1)E. I. DU PONT DE NEMOURS AND COMPANY
(32) Priority Date	:05/08/2009	Address of Applicant :1007 MARKET STREET,
(33) Name of priority country	:U.S.A.	WILMINGTON, DELAWARE 19898 U.S.A.
(86) International Application No	:PCT/US2010/044274	(72)Name of Inventor:
Filing Date	:03/08/2010	1)ZHANG WENMING
(87) International Publication No	:WO 2011/017342	2)HOLYOKE JR CALEB WILLIAM
(61) Patent of Addition to Application	:NA	3)HUGHES KENNETH ANDREW
Number	:NA	4)LAHM GEORGE P.
Filing Date	.IVA	5)PAHUTSKI JR THOMAS FRANCIS
(62) Divisional to Application Number	:NA	6)TONG MY-HANH THI
Filing Date	:NA	7)XU MING

### (57) Abstract:

Disclosed are compounds of Formula 1, N-oxides, and salts thereof, wherein (Formula 1) X is O or S; Y is O or S; A is O, S, NR3e or C(R3c)=C(R3d); Z is a direct bond, O, S(O), 191, NR6, S(C), NR6, S(C), C(EX1), S(C), C(EX1), S(C), C(EX1), C(EX1),

No. of Pages: 320 No. of Claims: 13

(21) Application No.619/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: DUAL FUEL HEATING 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 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>	:F23N 1/00 :61/221,529 :29/06/2009 :U.S.A. :PCT/US2010/039655 :23/06/2010 :WO 2011/008448 :NA :NA	(71)Name of Applicant: 1)DENG, DAVID Address of Applicant:23622 RIDGELINE ROAD, DIAMOND BAR, CA 91765, U.S.A (72)Name of Inventor: 1)DENG, DAVID
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A dual fuel heating source can have a fuel selector valve for selecting between a first fuel and a second fuel different from the first. The dual fuel heating source may selectively have a regulator unit, and an outlet valve. The regulator unit can be configured to regulate the pressure of two different fuels. The outlet valve can be connected to the fuel selector valve such that selecting a fuel can determine the path fuel will flow through the outlet valve and also out of the heating source.

No. of Pages: 84 No. of Claims: 12

(21) Application No.202/DELNP/2015 A

1) CHIESI FARMACEUTICI S.P.A.

Address of Applicant: Via Palermo 26/A I 43100 Parma Italy

(71)Name of Applicant:

(72)Name of Inventor: 1)CAPALDI Carmelida

2)HEALD Robert Andrew

4)SUTTON Jonathan Mark

3) RAY Nicholas Charles

(19) INDIA

(22) Date of filing of Application :09/01/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: INHIBITION OF ENZYMES

(51) International :C07D471/04,A61K31/4196,A61P11/00

classification

(31) Priority Document

:12176079.7

:12/07/2012 (32) Priority Date

(33) Name of priority country

:EPO

(86) International

:PCT/EP2013/064603

Application No Filing Date

:10/07/2013

(87) International

:WO 2014/009425

Publication No (61) Patent of Addition to :NA

:NA

**Application Number** Filing Date

:NA

(62) Divisional to **Application Number** Filing Date

:NA

(57) Abstract:

Compounds of formula (I) are inhibitors of neutrophil elastase wherein Ri, R2, Ai, A2, A, assume meanings as defined in for mula (I).

No. of Pages: 193 No. of Claims: 15

(22) Date of filing of Application :09/01/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention : TETRAPYROLLIC PHOTOSENSITIZERS FOR CONJUGATION WITH PAA NANOP ARTICLES FOR TUMOR TREATMENT AND IMAGING

## (57) Abstract:

A tetrapyrrolic photosensitizer and imaging compound having a substituent other than gen at its IPUAC 20 carbon atom which substituent may contain a PAA nanoparticle.

No. of Pages: 48 No. of Claims: 17

(21) Application No.260/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 12/01/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: SOURCE REFERENCE REPLICATION IN A DATA STORAGE SUBSYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:H04N21/231 :13/550294	(71)Name of Applicant: 1)COMPELLENT TECHNOLOGIES
(32) Priority Date	:16/07/2012	Address of Applicant :7625 Smetana Lane Eden Prairie
(33) Name of priority country	:U.S.A.	Minnesota 55344 U.S.A.
(86) International Application No	:PCT/US2013/045062	(72)Name of Inventor:
Filing Date	:11/06/2013	1)SWIFT Jeremy Dean
(87) International Publication No	:WO 2014/014579	
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method of data replication from a first data storage device to a second data storage device. According to the method prior to replicating data from the first data storage device to the second data storage device metadata relating to data to be replicated may be transmitted to the second data storage device the metadata including information about the data to be replicated and a path identifier identifying a path through which the second data storage device can remotely access the data at the first data storage device until the data to be replicated is copied to the second data storage device.

No. of Pages: 24 No. of Claims: 20

(21) Application No.361/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: RECONSTITUTION DEVICE WITH TIP CAP

<ul> <li>(51) International classification</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>	:2783251 :17/07/2012 :Canada :PCT/CA2013/000629 :11/07/2013 :WO 2014/012162 :NA :NA	(71)Name of Applicant:  1)DUOJECT MEDICAL SYSTEMS INC.  Address of Applicant:50 rue De Gaspe Complex B 5 Bromont Quebec J2L 2N8 Canada (72)Name of Inventor:  1)VIENS Mathieu  2)TREMBLAY Yan
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A transfer arrangement comprising a syringe (110) having a side wall defining a cavity (116) which is sealed by plunger (114), a needle (119) being connected to a second syringe end (113), an adaptor (124) having a first adaptor end (121) connecting to the second syringe end (113), the adaptor (124) extending about the needle (119), second adaptor end (123) having a luer connector (126), and a transfer member (128) having first and second transfer member ends (131, 133) with the first transfer member end (131) being connected to the second adaptor end (123) while the second transfer member end (133) receives the neck of a vial (130).

No. of Pages: 27 No. of Claims: 13

(21) Application No.381/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SINTERED BEARING

(31) Priority Document No (32) Priority Date	:F16C33/12,B22F5/00,F16C33/10 :2012165844 :26/07/2012	1)NTN CORPORATION Address of Applicant :3 17 Kyomachibori 1 chome Nishi ku
(33) Name of priority country	:Japan	Osaka shi Osaka 5500003 Japan
(86) International Application No Filing Date	:PCT/JP2013/069847 :23/07/2013	(72)Name of Inventor: 1)ITO Yoshinori 2)GOTOU Takahiro
(87) International Publication No	:WO 2014/017456	
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A sintered bearing (1) which is obtained by shaping a starting powder material said starting powder material comprising a graphite powder and a metal powder in a mold and then sintering wherein a granulated powder is used as the graphite powder and the ratio by area of free graphite in a bearing surface (1a) is 25 80%. The average grain diameter of the granulated powder is 60 500  $\mu$ m. The blending ratio of the granulated powder in the starting powder material is 3 15 wt%.

No. of Pages: 28 No. of Claims: 6

(21) Application No.606/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

:C07F 7/08

:60/432,549

:11/12/2002

:10/12/2003

:PCT/US2003/039554

:WO 2004/052310

:2181/delnp/2005

:24/05/2005

:U.S.A.

:NA

:NA

(54) Title of the invention: A COMPOUND-2

(51) International classification

(33) Name of priority country

(86) International Application No

(87) International Publication No

(61) Patent of Addition to Application

(62) Divisional to Application Number

(31) Priority Document No

(32) Priority Date

Number

Filing Date

Filing Date

Filed on

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1)BRISTOL-MAYERS SQUIBB COMPANY

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4000, U.S.A.

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16)SHAOPENG WANG

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18)DAVID J. KUCERA

19)RICHARD POLNIASZEK

20)CHARLES LEWIS

21)JOHN THOTTATHIL

22) DHILEEPKUMAR KRISHNAMURTY

23)MAOTANG X. ZHOU

24) PURUSHOTHAM VEMISHETTI

(57) Abstract:

A compound of formula: wherein Rb is C1 to C6 alkyl; and R20 is hydrogen or benzyl, or a salt thereof.

No. of Pages: 103 No. of Claims: 2

(21) Application No.622/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: HEAT ENGINE WITH 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</li> <li>Number Filing Date</li> </ul>	:F24C 3/00 :61/221,520 :29/06/2009 :U.S.A. :PCT/US2010/039681 :23/06/2010 :WO 2011/008450 :NA :NA	(71)Name of Applicant: 1)DENG, DAVID Address of Applicant: 23622 RIDGELINE ROAD, DIAMOND BAR, CA 91765, U.S.A (72)Name of Inventor: 1)DENG, DAVID
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A heat engine can have a fuel selector valve for selecting between a first fuel and a second fuel. Making the selection with the fuel selector valve can also determine a flow path through the heat engine, there being two different paths, each configured for a different fuel. A burner nozzle can form a single unit with the fuel selector valve. In some embodiments the burner nozzle can also form a single unit with an outlet valve.

No. of Pages: 84 No. of Claims: 15

(21) Application No.373/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application:15/01/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: DEVICE FOR COVERING A PIPELINE FROM A WELLBORE

(51) International classification :E03B5/06,E21B33/03,E03B3/16 (71)Name of Applicant: (31) Priority Document No :1256520

(32) Priority Date :06/07/2012 (33) Name of priority country :France

(86) International Application :PCT/FR2013/051599

:05/07/2013 Filing Date

(87) International Publication No:WO 2014/006343

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)DAKEEZ FRANCE

Address of Applicant :5 rue de la Pomme BP 40517 31005

Toulouse cedex 6 France (72) Name of Inventor: 1)MARZULLO Romain

2)MARZULLO Bernard

## (57) Abstract:

A device (5) for covering a pipeline from a wellbore comprising a cover (50) comprising at least one lower bearing surface suitable for being mounted on an end of a vertical annular pipeline of a wellbore and a distribution elbow (6) comprising a lower end (61) intended to be connected to a pipe of the wellbore extending vertically downwards from the cover (50) and an upper end (63) extending horizontally the cover (50) and the distribution elbow (6) forming a monobloc assembly.

No. of Pages: 26 No. of Claims: 14

(21) Application No.383/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/01/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: DEVICE FOR MIXING POWDER AND AT LEAST ONE OTHER TYPE OF PHASE

(51) International classification :B01F15/02,B01F5/22,A21C1/06 (71)Name of Applicant:

(31) Priority Document No :12507380 (32) Priority Date :29/06/2012

(33) Name of priority country :Sweden

(86) International Application :PCT/SE2013/050822

No

:28/06/2013 Filing Date

(87) International Publication No:WO 2014/003681

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)IVARSSON Peter Nemo Lorens Fredrik

Address of Applicant: Mlndalsbacken 10 S 122 66 Enskede

Sweden

(72) Name of Inventor:

1)IVARSSON Peter Nemo Lorens Fredrik

2) ANDERSSON, Mats Rickard

## (57) Abstract:

The present invention discloses a device for mixing a mixture material comprising at least two different phases where at least one first phase is in powdered form said device comprising at least two separate inlets where a first inlet is intended for powder and a second inlet is intended for a second phase not being a powder wherein the device further comprises an outlet and a mixing chamber with an agitator wherein the mixing chamber comprises a mixing zone being that part of the mixing chamber in which the mixture material is being actively mechanically influenced to obtain mixing and wherein said at least two separate inlets each involve any type of geometrical narrowing of their cross sectional areas up to the mixing zone and wherein the mixing zone further comprises any type of expansion of the cross sectional area in a flow direction of the mixture material.

No. of Pages: 26 No. of Claims: 25

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

## (54) Title of the invention: EASY OPENING PACKAGING FOR LIQUID OR GEL 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B65D 75/58 :09166779.0 :29/07/2009 :EPO :PCT/EP2010/060954 :28/07/2010 :WO 2011/012644 :NA :NA :NA	(71)Name of Applicant:  1)NESTEC S.A.  Address of Applicant: AVENUE NESTLE 55, CH-1800 VEVEY, SWITZERLAND (72)Name of Inventor:  1)HABLUETZEL, ROLAND 2)HENTZEL, STEPHANE 3)MAGNIET, INES
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### (57) Abstract:

The present invention proposes a packaging (1) for a food product such as a gel comprising a first sheet (2) comprising at least one folded portion (4) of sheet material which runs across the first sheet, the sheet material in the folded portion (4) being joined together in a peelable seal (6), a second sheet (3) comprising at least one folded portion (5) of sheet material which runs across the second sheet, the sheet material in the folded portion (5) being at joined together in a peelable seal (7). The first and second sheets (2,3) are joined together defining a product cavity (8), the first and second sheets (2,3) are positioned such that two folded portions (4,5) protrude outwardly and are arranged opposite such that by pulling in a direction transverse to that of the folded portions, the two peelable seals (6,7) are peeled apart and an aperture (9,10) be created in each side of the packaging providing access to the product cavity (8). The invention also relates to a method for making such a packaging.

No. of Pages: 19 No. of Claims: 14

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

## (54) Title of the invention: METHOD AND CONTROL DEVICE FOR OPERATING A VALVE

(71)Name of Applicant: (51) International classification :F02D 41/24 1)ROBERT BOSCH GmbH (31) Priority Document No :10 2009 045 309.1 Address of Applicant :POSTFACH 30 02 20, 70442 (32) Priority Date :02/10/2009 STUTTGART, Germany (33) Name of priority country :Germany (72)Name of Inventor: (86) International Application No :PCT/EP2010/063305 1)GRIMMINGER, CHRISTIAN Filing Date :10/09/2010 2) FUCHS, EGBERT (87) International Publication No :WO 2011/039043 3)KEMMER, HELERSON (61) Patent of Addition to Application :NA 4)KOBER, RALPH Number :NA 5)RAPP, HOLGER Filing Date 6)HOANG, ANH-TUAN (62) Divisional to Application Number :NA 7) GANN, THOMAS Filing Date :NA 8) SZONN, CHRISTIAN

## (57) Abstract:

The present subject matter describes a method for operating a valve (18a) actuated by means of an actuator (26, 30), in particular a fuel injection valve of an internal combustion engine (10) of a motor vehicle. The actuator (26, 30) is actuated by means of an actuating current (I) having an actuating duration (ET). The actuating duration (ET) is formed as a function of a target value (t2) for a closing delay time (t2) of the valve (18a), characterizing a time differential between an end (tETl) of the actuating duration (ET) and a closing time point (ts) of the valve (18a).

No. of Pages: 25 No. of Claims: 9

(21) Application No.568/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :28/02/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PACKAGE FOR ELONGATED SHARP EDGED TOOLS FOR MEDICAL PURPOSES

(51) International classification	:A61B19/02	(71)Name of Applicant :
(31) Priority Document No	:10 2013 004 146.5	1)PETER ROESLER Address of Applicant :IFENWEG 3, 88239 WANGEN,
(32) Priority Date	:09/03/2013	GERMNAY
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)PETER ROESLER
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:

Package for elongated sharp-edged objects (8) in particular for tools for surgical applications which are secured in a fixed position in a package (1) consisting at least partially of plastic, wherein the package (1) consists essentially of an enlarged package part (20), which defines an interior (11) into which the object (8, 8a, 8b) that is to be protected and secured protrudes with its sharp edges (10) in a noncontact manner and additionally consists of a second package part (12) in which the shaft (9) of the object (8, 8a, 8b) is accommodated and held in a fixed position by holding elements (7, 37-39, 43).

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

(21) Application No.568/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: ENGINEERED MICROORGANISMS WITH ENHANCED FERMENTATION ACTIVITY

<ul> <li>(51) International classification</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>	:C12N 1/00 :61/224,430 :09/07/2009 :U.S.A. :PCT/US2010/041618 :09/07/2010 :WO 2011/006136 :NA :NA :NA	(71)Name of Applicant: 1)VERDZYNE, INC. Address of Applicant:2715 LOKER AVENUE WEST, CARLSBAD, CALIFORNIA 92010, U.S.A. (72)Name of Inventor: 1)STEPHEN PICATAGGIO 2)KIRSTY ANNE LILY SALMON 3)JOSE MIGUEL LAPLAZA
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## (57) Abstract:

Provided herein are genetically modified microorganisms that have enhanced fermentation activity, and methods for making and using such microorganisms.

No. of Pages: 359 No. of Claims: 52

(22) Date of filing of Application: 19/01/2012 (43) Publication Date: 12/06/2015

# (54) Title of the invention: METHOD AND INSTALLATION FOR PRODUCING SULPHURIC 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 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>	:C01B 17/76 :10 2009 036 289.4 :06/08/2009 :Germany :PCT/EP2010/059954 :12/07/2010 :WO 2011/015424 :NA :NA	(71)Name of Applicant:  1)THYSSENKRUPP UHDE GMBH Address of Applicant:FRIEDRICH-UHDE-STRASSE 15  44141 DORTMUND, Germany (72)Name of Inventor:  1)JAN SCHONEBERGER 2)DR. HOLGER THIELERT
9	:NA :NA	

## (57) Abstract:

The invention relates to a method and an installation for producing sulphuric acid. First of all, a product gas flow (5) containing sulphur dioxide is produced. The product gas flow (5) is supplied to a reaction chamber (1). A catalyst 3) is located in the reaction chamber (1). In the presence of said catalyst sulphur dioxide reacts to form sulphur trioxide. In further parts of the installation the resulting sulphur trioxide is converted to sulphuric acid. According to the invention, an oxidising gas flow (6) is supplied to the reaction chamber (1) alternately with the product gas flow (5).

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

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: HIGH VISCOSITY BLENDS AND COATINGS OF AN IONOMER AND POLY(VINYL ALCOHOL)

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International	:C08L23/08,C09D123/08,C08L29/04 :13/407896 :29/02/2012 :U.S.A. :PCT/US2013/028191 :28/02/2013 :WO 2013/130726	<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)ECHT Elliott</li> <li>2)HAYES Richard Allen</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:

Disclosed are compositions comprising a blend of a poly(vinyl alcohol) composition comprising a poly(vinyl alcohol) characterized by (i) a hydrolysis level from 85 to 93 mole % and a 4 weight % aqueous viscosity of 16 to 75 centipoise (cP); and an ionomer comprising a parent acid copolymer that comprises ethylene and 18 to 30 weight % of acrylic acid or methacrylic acid the acid copolymer having a melt flow rate from 200 to 1000 g/10 min. wherein 50% to 70% of the carboxylic acid groups of the copolymer are neutralized to carboxylic acid salts comprising potassium cations sodium cations or combinations thereof. Articles and multilayer structures comprising the blend composition on a substrate and methods for their preparation are also disclosed.

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

(21) Application No.6481/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: USE OF A TRANSMISSION BELT IN OIL AND RELATED TRANSMISSION 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:TO2012A000080 :31/01/2012 :Italy	(71)Name of Applicant:  1)DAYCO EUROPE S.R.L.  Address of Applicant: Via Papa Leone XIII 45 Frazione Chieti Scalo Chieti Italy (72)Name of Inventor:  1)DI MECO Marco 2)BALDOVINO Carlo 3)PETACCIA Marino
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## (57) Abstract:

A fabric for transmission belts is described that is made entirely with polyaramid fibres. Furthermore a transmission belt (1) is provided that comprises a body (2) made of a first elastomeric material in which a plurality of resistant longitudinal filiform inserts (3) is embedded and a working surface (4) covered in a covering fabric (5) comprising polyaramid fibres in weft and warp yarns; advantageously the transmission belt is a toothed belt. According to the present invention in use the belt is in continuous contact with oil or partially immersed in oil.

No. of Pages: 37 No. of Claims: 18

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : HIGH PERFORMANCE WATER BASED TACKIFIED ACRYLIC PRESSURE SENSITIVE ADHESIVES

:C09J133/04,C09J11/00 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)HONEYWELL INTERNATIONAL INC. :61/596622 (32) Priority Date :08/02/2012 Address of Applicant :Patent Services M/S AB/2B 101 (33) Name of priority country Columbia Road P. O. Box 2245 Morristown New Jersey 07962 :U.S.A. (86) International Application No :PCT/US2013/023382 2245 U.S.A. Filing Date :28/01/2013 (72) Name of Inventor: (87) International Publication No :WO 2013/119404 1)DODGE Robert G. (61) Patent of Addition to Application 2)SEVERYNS Kurt :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

A pressure sensitive adhesion composition comprising: a first polymer that is acrylate polymer or copolymer comprising polymerized monomers selected from the group consisting of acrylic acid butyl acrylate 2 ethylhexyl acrylate methyl methacrylate octyl acrylate styrene vinyl acetate and combinations thereof; and b) a second polymer selected from the group consisting of ethylene acrylic acid copolymer oxidized polyethylene oxidized ethylene vinyl acetate copolymer maleated polyolefin and combinations thereof; wherein the composition is water based and adapted for pressure sensitive adhesion to substrates. The adhesion composition may also comprise a tackifier resin selected from the group consisting of rosin ester resin rosin acid resin synthetic hydrocarbon resin synthetic terpenic resin and combinations thereof. An article of manufacture comprising a support member and a pressure sensitive adhesion layer attached thereto that comprises said pressure sensitive adhesion composition. A process of forming a pressure sensitive adhesive article of manufacture.

No. of Pages: 39 No. of Claims: 10

(21) Application No.551/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/01/2012 (43) Publication Date: 12/06/2015

# (54) Title of the invention: METHODS FOR GENERATING RADIOIMMUNOCONJUGATES

<ul> <li>(51) International classification</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>	:A61K 51/00 :61/227,710 :22/07/2009 :U.S.A. :PCT/US2010/042885 :22/07/2010 :WO 2011/011592 :NA :NA :NA	(71)Name of Applicant:  1)ACTINIUM PHARMACEUTICALS INC. Address of Applicant: 25 B HANOVER ROAD, FLORHAM PARK, NJ 07932, U.S.A. (72)Name of Inventor: 1)JAIME SIMON 2)A. GAYLORD KING 3)JOSUE MANUEL MORENO BERMUDEZ
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## (57) Abstract:

The invention relates to methods for generating a radioconjugate. In one aspect, the invention relates to an improved method for labeling a monoclonal antibody (mAb) (IgG). In another aspect, the invention provides methods for producing a Ac-225 radioimmunoconjugate. In one embodiment, the Ac-225 radioimmunoconjugate is a[Ac-225]-p-SCN-Bn-DOTA/HuM195 radioimmunoconjugate.

No. of Pages: 68 No. of Claims: 35

(21) Application No.630/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :22/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: HUMAN LOCOMOTION ASSISTING SHOE

(51) International classification (31) Priority Document No	:F16L :61/219,763	(71)Name of Applicant : 1)MARK COSTIN ROSER
(32) Priority Date	:23/06/2009	Address of Applicant :515 Old Slocum Road Hebron CT
(33) Name of priority country	:U.S.A.	06248 U.S.A.
(86) International Application No		(72)Name of Inventor:
Filing Date	:23/06/2010	1)MARK COSTIN ROSER
(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:

Embodiments of footwear in particular a shoe sandal or boot may reduce the effort and improve the performance of walking running hiking marching and various other gaits as well as jumping hopping and other motion involving the ankle and lower leg and Achilles tendon through integration of force-carrying mechanisms within footwear that manage the forces and energy associated with such motion by productively harvesting and storing energy during dorsiflexion motion and releasing and returning energy during plantar flexion. One structural element of such footwear may comprise a top collar yoke having anterior and posterior gussets forming a channel and a shoe comprising a rotation zone supporting the channel and an elastomeric zone forming a tension spring via an elastomeric overlay or otherwise providing a spring-like member approximately parallel to and to assist the Achilles tendon during locomotion.

No. of Pages: 68 No. of Claims: 7

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

(43) Publication Date: 12/06/2015

# (54) Title of the invention : TELECOMMUNICATION SYSTEM AND METHOD THAT CAN BE USED TO ESTABLISH TELECOMMUNICATIONS WITH THE USER OF A VEHICLE USING THE REGISTRATION PLATE 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> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:H04Q3/76,H04L12/66 :NA :NA :NA :PCT/ES2012/070061 :31/01/2012 :WO 2013/113951 :NA :NA	(71)Name of Applicant:  1)PERSON TO VEHICLE S.L  Address of Applicant: Jiloca n° 7 E 28016 Madrid Spain (72)Name of Inventor:  1)CANTO FUERTES Juan Francisco 2)ESPINAR ARCONES Juan Jos 3)DE LA FUENTE FERN • NDEZ Felipe
- 14		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a communication system and method that can be used to establish telecommunications with the user of a vehicle using the vehicle s registration plate code thereby making it possible to establish a telecommunication with the owner of a vehicle using their unique public identification number by associating same with a selected communication means (mobile telephone number e mail web profile or similar personal communication means) which is hidden from third parties and pre determined communication functions (functionality codes) which respond to specific requirements of users.

No. of Pages: 33 No. of Claims: 20

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: DEVICE FOR THE TRANSPLANTATION OF CELLS IN SUSPENSION

(51) International classification	:A61F9/00	(71)Name of Applicant :
(31) Priority Document No	:12152866.5	1)ECOLE POLYTECHNIQUE FEDERALE DE
(32) Priority Date	:27/01/2012	LAUSANNE (EPFL)
(33) Name of priority country	:EPO	Address of Applicant :EPFL TTO Quartier de linnovation J
(86) International Application No	:PCT/IB2013/050721	CH 1015 Lausanne Switzerland
Filing Date	:28/01/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2013/111121	1)BARRANDON Yann
(61) Patent of Addition to Application	:NA	2)VAN DEN BERGH Hubert
Number	:NA	3)RENAUD Philippe
Filing Date	.INA	4)BRASCHLER Thomas
(62) Divisional to Application Number	:NA	5)GRABER Julien
Filing Date	:NA	6)CAILLIER Ma ⁻ a

## (57) Abstract:

The invention relates to a device (1) for the transplantation of cells (3) in suspension comprising a support with at least one micro cavity (2) containing or able to contain said suspension in direct contact with the object on which the cells are to be transplanted. The device is intended for application to human tissue or human or animal body such as the eye the gingiva skin a wound or a burn.

No. of Pages: 51 No. of Claims: 20

(21) Application No.6473/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: AEROSOL CONTAINER

(51) International :B65D83/38,B65D83/62,B29C45/14

classification :B03D83/38,B03D83/02,B29C43/1

(31) Priority Document No :12156997.4 (32) Priority Date :24/02/2012

(33) Name of priority country: EPO

(86) International Application: PCT/EP2013/053693

No :25/02/2013 Filing Date

(87) International Publication :WO 2013/124480

(61) Patent of Addition to

Application Number
Filing Date
:NA
:NA

(62) Divisional to Application Number :NA :NA

Filing Date

(57) Abstract:

(71)Name of Applicant:

1)CROWN PACKAGING TECHNOLOGY INC.

Address of Applicant :11535 S Central Avenue Alsip Illinois

60803 2599 U.S.A. (72)Name of Inventor:

1)GREENFIELD Mark

2)VINCENT Keith Alan 3)KING Michael Anthony

4)BRADLEY Lee Robert

An aerosol container (1) comprising a body (50) and cone (60) and encasing a composite spout (30) and bag (40) combination. The composite spout (30) has a metal tubular section (10) adapted to accommodate a valve arrangement (70 75) and a polymer fishtail section (20) adapted to form a leak proof seal with the bag (40). A product is filled into the bag (40) and propellant is filled into the sealed chamber defined between the outside of the bag (40) and the internal surface of the body (50) / cone (60).

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

(21) Application No.271/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :13/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: STERILE MEDICINE DISSOLVER

(51) International classification	:A61M39/18,A61J1/20	(71)Name of Applicant :
(31) Priority Document No	:201220280674.8	1)GANSU CHANGEE BIO PHARMACEUTICAL
(32) Priority Date	:14/06/2012	LIMITED COMPANY
(33) Name of priority country	:China	Address of Applicant :Ershi Pu Industrial Zone Mai Ji District
(86) International Application No	:PCT/CN2012/077700	Tianshui Gansu 741020 China
Filing Date	:28/06/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/185382	1)ZHANG Youping
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A sterile medicine dissolver comprises a shell (5). One end of the shell (5) is connected to a shell lower base (8). A protection cover (9) is disposed at the bottom of the shell lower base (8). A connection base (6) is installed in annular interlayer of the shell lower base (8). A spring (7) is installed between the shell lower base (8) and the connection base (6). A needle base (4) is fixedly installed at the axle center of the connection base (6). A double edge needle tube (2) is installed in the needle base (4). A button (3) is installed in a through hole at the other end of the shell (5). A needle head at one end of the double edge needle tube (2) extends out of the button (3). A protection cap (1) is installed at the axle center of the button (3). The protection cap (1) covers the needle head at the end of the double edge needle tube (2) that extends out of the button (3). The sterile medicine dissolver is clinically used for filling solvents into a powder needle bottle and dissolved liquid medicine is transferred though the double edge needle tube by using the pressure in a medicine bottle. The sterile medicine dissolver belongs to a disposable item is only applicable to clinically dissolving medicine in a sterile manner and transferring liquid medicine and is not allowed to be used for human body injection.

No. of Pages: 12 No. of Claims: 3

(21) Application No.279/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :13/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR AUTOMATED PRODUCTION APPLICATION AND EVALUATION OF COATING COMPOSITIONS

#### (57) Abstract:

Systems and methods for producing applying and evaluating coating compositions are disclosed. The amounts of components contained in the coating compositions may be monitored along with processing parameters when the coating compositions are applied to various substrates. In certain embodiments the characteristics of a produced sample coating are compared with the characteristics of a target or reference coating to determine if they are sufficiently matched.

No. of Pages: 26 No. of Claims: 29

:61/661710

:19/06/2013

:NA

:PCT/US2013/046483

:WO 2013/192273

(21) Application No.345/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application: 14/01/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: HETEROARYL COMPOUNDS AND METHODS OF USE THEREOF

(51) International

:C07D471/14,C07D487/04,A61K31/519

classification

(31) Priority Document

(32) Priority Date :19/06/2012 (33) Name of priority :U.S.A.

country

(86) International

Application No

Filing Date (87) International

Publication No

(61) Patent of Addition to :NA **Application Number** 

Filing Date

(62) Divisional to :NA Application Number :NA Filing Date

(71)Name of Applicant:

1)SUNOVION PHARMACEUTICALS INC.

Address of Applicant: 84 Waterford Drive Marlborough MA

01752 U.S.A.

(72) Name of Inventor:

1)CAMPBELL John Emmerson

2) JONES Phillip G. 3)MALCOLM Scott

## (57) Abstract:

Provided herein are heteroaryl compounds methods of their synthesis pharmaceutical compositions comprising the compounds and methods of their use. In one embodiment the compounds provided herein are useful for the treatment prevention and/or management of various disorders such as CNS disorders and metabolic disorders including but not limited to e.g. neurological disorders psychosis schizophrenia obesity and diabetes.

No. of Pages: 127 No. of Claims: 37

(21) Application No.455/DEL/2014 A

(19) INDIA

(22) Date of filing of Application: 18/02/2014 (43) Publication Date: 12/06/2015

# (54) Title of the invention: CAPTURE TUBE MECHANISM FOR DELIVERING AND RELEASING A STENT

<ul> <li>(51) International classification</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>	:13/801,728 :13/03/2013 :U.S.A. :NA :NA	
(61) Patent of Addition to Application Number	:NA	2)JUAN A. LORENZO
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

## (57) Abstract:

A capture tube mechanism for delivering and releasing a self-expanding stent includes a core wire on which a proximal portion of the stent is removably retained by a distal portion of a tubular capture sleeve. In one embodiment, one or more elongated members extending through corresponding apertures through the capture sleeve and out the distal end of the capture sleeve can be pulled to split the tubular capture sleeve to release the stent. In another embodiment, the capture sleeve can be pulled proximally over one or more stop members provided on the core wire to release the stent.

No. of Pages: 20 No. of Claims: 24

(21) Application No.6486/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/08/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: SYNTHETIC ATTACHMENT MEDIUM FOR CELL CULTURE

(51) International

:C12N5/00,C12N5/0735,C12N5/071

classification (31) Priority Document No (32) Priority Date

:61/594016 :02/02/2012

:31/01/2013

(33) Name of priority country:U.S.A. (86) International :PCT/US2013/024001

Application No Filing Date

(87) International Publication :WO 2013/116432

(61) Patent of Addition to :NA

**Application Number** Filing Date

:NA (62) Divisional to :NA

**Application Number** Filing Date

:NA

(71)Name of Applicant:

1)CORNING INCORPORATED

Address of Applicant: 1 Riverfront Plaza Corning New York

14831 U.S.A.

(72) Name of Inventor:

1)CARACCI Stephen Joseph

2)HENRY David 3) KELLEY Jessica Jo 4)LEWIS Mark Alan 5)ZHOU Yue

(57) Abstract:

An aqueous cell culture medium composition includes an aqueous cell culture solution configured to support the culture of mammalian cells. The composition further includes a synthetic polymer conjugated to a polypeptide dissolved in the aqueous cell culture solution. The synthetic polymer conjugated to a polypeptide is configured to attach to the surface of a cell culture article under cell culture conditions. Incubation of the aqueous cell culture medium composition on a cell culture surface under cell culture conditions results is attachment to the surface of the synthetic polymer conjugated to the polypeptide.

No. of Pages: 61 No. of Claims: 20

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

## (54) Title of the invention: POSITIVE ELECTRODE FOR SECONDARY BATTERY, AND SECONDARY 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> <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>	:H01M 4/62 :2009-176640 :29/07/2009 :Japan :PCT/JP2010/062235 :21/07/2010 :WO 2011/013552 :NA :NA :NA	(71)Name of Applicant:  1)SONY CORPORATION Address of Applicant:1-7-1 KONAN, MINATO-KU, TOKYO, JAPAN (72)Name of Inventor: 1)MIKIO WATANABE
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### (57) Abstract:

Provided is a secondary battery capable of improving charge-discharge characteristics. A positive electrode active material layer 21B of a positive electrode 21 has a positive electrode active material and a positive electrode conductive agent. The positive electrode active material is a high-voltage operating positive electrode material whose operating voltage is equal to or more than 4.5 V on a lithium metal basis. The positive electrode conductive agent contains an amorphous carbon material and a crystalline carbon material, and an interplanar spacing for lattice plane (002), a specific surface area, and a content in the positive electrode active material layer 21B, thereof are so normalized as to be in predetermined ranges, respectively. The positive electrode active material layer 21B becomes less likely to expand and contract, and thus becomes less likely to be detached from the positive electrode current collector 21 A. A conductivity of the positive electrode active material layer 21B becomes high, and a decomposing reaction of an electrolyte is suppressed.

No. of Pages: 55 No. of Claims: 7

(22) Date of filing of Application :20/01/2012 (4

(43) Publication Date: 12/06/2015

# (54) Title of the invention : PATIENT-ADAPTED AND IMPROVED ORTHOPEDIC IMPLANTS, DESIGNS AND RELATED TOOLS

(74) T	1.617.0/00	
(51) International classification	:A61F 2/38	(71)Name of Applicant:
(31) Priority Document No	:61/269,405	1)CONFORMIS, INC.
(32) Priority Date	:24/06/2009	Address of Applicant :11 NORTH AVENUE BURLINGTON,
(33) Name of priority country	:U.S.A.	MA 01803 U.S.A
(86) International Application No	:PCT/US2010/039587	(72)Name of Inventor:
Filing Date	:23/06/2010	1)BOJARSKI, RAYMOND, A.
(87) International Publication No	:WO 2010/151564	2)LANG, PHILIPP
(61) Patent of Addition to Application	:NA	3)CHAO, NAM
Number		4)FITZ, WOLFGANG
Filing Date	:NA	5)SLAMIN, JOHN
(62) Divisional to Application Number	:NA	6)STEINES, DANIEL
Filing Date	:NA	

#### (57) Abstract:

Methods and devices are disclosed relating improved articular models, implant components, and related guide tools and procedures. In addition, methods and devices are disclosed relating articular models, implant components, and/or related guide tools and procedures that include one or more features derived from patient-data, for example, images of the patient's joint. The data can be used to create a model for analyzing a patient's joint and to devise and evaluate a course of corrective action. The data also can be used to create patient-adapted implant components and related tools and procedures.

No. of Pages: 118 No. of Claims: 55

(21) Application No.6475/DELNP/2014 A

(19) INDIA

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

(43) Publication Date: 12/06/2015

# (54) Title of the invention : CHROMATOGRAPHIC ISOLATION OF CELLS AND OTHER COMPLEX BIOLOGICAL MATERIALS

(51) International :G01N33/569,G01N33/68,G01N33/53

classification (31) Priority Document No :61/602150

(32) Priority Date :23/02/2012

(33) Name of priority country :U.S.A.

(86) International :PCT/EP2013/053650

Application No
Filing Date

Filing Date

FILE 2013/0

(87) International

Publication No :WO 2013/124474

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant:

1)STAGE CELL THERAPEUTICS GMBH

Address of Applicant : Rudolf Wissell Str. 28 37079

Goettingen Germany (72)Name of Inventor:
1)STADLER Herbert

## (57) Abstract:

The present invention relates to the chromatographic isolation of a target cell or another complex biological material in particular by column chromatography such as affinity chromatography or gel permeation chromatography. The invention employs a receptor binding reagent that binds to a receptor molecule that is located on the surface of a target cell. The invention in general provides novel methods for the traceless isolation of biologic materials such as cells cell organelles viruses and the like. The invention also relates to an apparatus for the isolation of cells and other complex biological materials.

No. of Pages: 81 No. of Claims: 77

(19) INDIA

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

(21) Application No.6476/DELNP/2014 A

(43) Publication Date: 12/06/2015

## (54) Title of the invention: SLAVE CYLINDER

<ul> <li>(51) International classification</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>	:F16D25/08 :10 2012 204 952.5 :28/03/2012 :Germany :PCT/EP2013/054858 :11/03/2013 :WO 2013/143832 :NA :NA :NA	(71)Name of Applicant:  1)SCHAEFFLER TECHNOLOGIES AG & CO. KG Address of Applicant: Industriestrae 1 3 91074  Herzogenaurach Germany (72)Name of Inventor:  1)CHEVET Alexandre 2)LAKSHMINARAYANAN Saravanan
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## (57) Abstract:

The application relates to a slave cylinder with a housing (1) arranged concentrically about a transmission input shaft and with an annular piston (2) which is movable axially in said housing and is operatively connected to a disengagement bearing (4). The disengagement bearing obtains an axial prestress by means of an energy accumulator (5) which is supported on the housing and encloses the piston. The energy accumulator is surrounded by a protective bellows (6) which is held by one end (6.1) thereof on the housing and by the disengagement bearing end (6.2) thereof by a fastening ring (7) connected to the disengagement bearing. According to the invention the disengagement bearing end (6.2) of the protective bellows (6) is clippable into the fastening ring (7) by means of an axial movement of the piston.

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

(22) Date of filing of Application :20/01/2012

(43) Publication Date: 12/06/2015

# (54) Title of the invention: TRAFFIC CONTROL APPARATUS AND DATA COMMUNICATION SYSTEM INCLUDING 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04L 12/28 :2009-171396 :22/07/2009 :Japan :PCT/JP2010/062226 :21/07/2010 :WO 2011/010657 :NA :NA :NA	(71)Name of Applicant:  1)SUMITOMO ELECTRIC INDUSTRIES, LTD. Address of Applicant:5-33, KITAHAMA 4-CHOME CHUO- KU, OSAKA-SHI OSAKA 541-0041 JAPAN (72)Name of Inventor: 1)HATA, YOICHI 2)FUJITA, YASUHITO 3)GOTO, YOSHIMITSU 4)KAKII, TOSHIAKI
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#### (57) Abstract:

Disclosed is a traffic control apparatus for optimizing the communication performance for each of a plurality of local networks to be monitored. The traffic control apparatus (100) once stores the communication band information of relay nodes (211B, 212B, 213B) into memory (120) via an I/O (140). A control unit (110) determines, based on the acquired communication band information, a relay node currently being a bottleneck, then calculates a transmittable/receivable band to be allocated to each of a plurality of PCs (220B), and then notifies the calculated transmittable/receivable band to each PC (220B). Each PC (220B) having received the notification divides data of the allocated band to be transmitted, and sends out the divided data to the Internet (10) with the divided data temporally uniformly aligned.

No. of Pages: 44 No. of Claims: 7

(21) Application No.6490/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : FRICTION TRANSMISSION BELT MANUFACTURING METHOD THEREOF AND BELT TRANSMISSION DEVICE

(51) International classification: F16G1/08,B29D29/10,F16G1/00 (71) Name of Applicant: (31) Priority Document No 1)BANDO CHEMICAL INDUSTRIES LTD. :2012002788 (32) Priority Date :11/01/2012 Address of Applicant: 6 6 Minatojima Minamimachi 4 chome (33) Name of priority country Chuo ku Kobe shi Hyogo 6500047 Japan :Japan (72) Name of Inventor: (86) International Application :PCT/JP2012/008273 1)YOSHIDA Keisuke :25/12/2012 Filing Date (87) International Publication :WO 2013/105191 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

This friction transmission belt (B) transmits power by a belt body (10) formed from a rubber composition being wound around a pulley. This friction transmission belt is provided with a thermoplastic resin film (16) provided so as to cover the surface of the belt body (10) that contacts the pulley and a powder layer (17) formed using friction coefficient reducing powders (17a 17b 17c) provided on the front surface of the thermoplastic resin film (16). The powder layer (17) contains a powder (17a) embedded in the thermoplastic resin film (16) a powder (17b) carried on the surface of the thermoplastic resin film (16) and exposed on the surface and a powder (17c) aggregated and adhering to the powder (17b) carried on the surface of the thermoplastic resin film (16) and exposed.

No. of Pages: 54 No. of Claims: 15

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PROCESS FOR MAKING HMF AND HMF DERIVATIVES FROM SUGARS WITH RECOVERY OF UNREACTED SUGARS SUITABLE FOR DIRECT FERMENTATION TO ETHANOL

<ul> <li>(51) International 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> </ul> <li>Number</li>	:PCT/US2012/066708 :28/11/2012 :WO 2013/106136 :NA :NA	(71)Name of Applicant:  1)ARCHER DANIELS MIDLAND COMPANY Address of Applicant: 4666 Faries Parkway Decatur Illinois 62526 U.S.A. (72)Name of Inventor: 1)SANBORN Alexandra 2)BINDER Thomas P. 3)HOFFART April
. ,	:NA :NA	

## (57) Abstract:

Hydroxymethylfurfural is made from an aqueous hexose sugar solution especially from a high fructose corn syrup product. By rapidly heating the sugar solution to the elevated temperatures involved as well as rapidly cooling the resultant product mixture a limited per pass conversion to HMF is obtained; correspondingly however the overall exposure of the HMF that is formed to acidic elevated temperature conditions is also limited so that byproducts are reduced. Separation and recovery of the products is simplified and levels of HMF and other hexose dehydration products known to inhibit ethanol production by fermentation are reduced in the residual sugars product to an extent whereby the residual sugars product is suited to be directly fermented to ethanol or for other uses.

No. of Pages: 40 No. of Claims: 18

(21) Application No.6492/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PARTICLE BOARD

(51) International classification	:B27N3/06	(71)Name of Applicant:
(31) Priority Document No	:2012025182	1)PANASONIC CORPORATION
(32) Priority Date	:08/02/2012	Address of Applicant :1006 Oaza Kadoma Kadoma shi Osaka
(33) Name of priority country	:Japan	5718501 Japan
(86) International Application No	:PCT/JP2013/050296	(72)Name of Inventor:
Filing Date	:10/01/2013	1)TSUKAMOTO Seisuke
(87) International Publication No	:WO 2013/118531	2)ROKUSHIMA Kazumasa
(61) Patent of Addition to Application	:NA	3)SUZUKI Shinichi
Number		4)MAEDA Naohiko
Filing Date	:NA	5)ASADA Teppei
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Provided is a particle board which has surface smoothness and which has little dimensional variation due to moisture absorption and desorption. A particle board (1) formed by heat pressure molding a mixture of particles and an adhesive wherein vegetable fibers (4) are contained in at least a surface layer (2) and the average fiber length of the vegetable fibers (4) in the surface layer (2) is 0.3 to 3.0 times the average length of the particles in the surface layer (2).

No. of Pages: 23 No. of Claims: 6

(21) Application No.387/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/01/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: SYSTEM AND METHOD FOR IDENTIFYING AND DISTINGUISHING MATERIALS METHOD FOR IDENTIFYING OR DISTINGUISHING MATERIALS AND MEASURING DEVICE FOR RECORDING MATERIAL PROPERTIES OF 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> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G01N35/00,G01N33/00 :10 2012 106 132.7 :09/07/2012 :Germany :PCT/EP2013/064513 :09/07/2013 :WO 2014/009384 :NA :NA	(71)Name of Applicant:  1)REINHAUSEN PLASMA GMBH  Address of Applicant: Weidener Strae 16, 93057 Regensburg Germany (72)Name of Inventor:  1)NETTESHEIM Stefan 2)REICHERT Werner
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention relates to a system (500) for identifying or distinguishing materials (M) comprising at least one local apparatus (510, 520,530) and a central station (550). Each local apparatus (510,520,530) comprises at least one measuring device (400) for recording at least one actual signature (220j) for materials (M) each and at least one local computer (541) communicatively connected to the at least one measuring device (400) the at least one local computer having a local database (4) for storing and/or processing the actual signature (220j). The at least one central station (550) comprises a server (552) having a central data bank (7) for storing and/or processing the actual signatures (220j) of the local apparatus (510,520,530). Furthermore the system (500) comprises a network (560) which communicatively connects the local computers (541) of the local apparatus (510,520, 530) via the server (552) of the central station (550). The invention further relates to a corresponding method for operating a system (500) to an analysis method for identifying or distinguishing the materials and to a measuring device for recording material properties of the materials (M).

No. of Pages: 57 No. of Claims: 29

(21) Application No.554/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/01/2012 (43) Publication Date: 12/06/2015

# (54) Title of the invention : METHOD AND DEVICE FOR THE SELECTIVE CLASSIFICATION OF PARTICLES ACCORDING TO THE SIZE 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B07B 1/46 :09009288.3 :16/07/2009 :EUROPEAN UNION :PCT/EP2010/004330 :15/07/2010 :WO 2011/006664 :NA :NA	(71)Name of Applicant:  1)TECHNISCHE UNIVERSITAT BERGAKADEMIE FREIBERG  Address of Applicant: AKADEMIENSTRASSE 6, 09599 FREIBERG, Germany (72)Name of Inventor:  1)GEORG UNLAND  2)THOMAS FOLGNER  3)MARTIN STEUER
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# (57) Abstract:

The invention relates to a method and to a device for the selective classification of particles according to the size thereof, determined by a maximum main dimension (a, b, c) of their particle geometric form, by means of classification using passage openings (3) with a three-dimensional classification effect in a screening structure (3, 4, 5, 11).

No. of Pages: 48 No. of Claims: 18

(21) Application No.570/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/01/2012 (43) Publication Date: 12/06/2015

# (54) Title of the invention: SUSTAINED-RELEASE DRUG CARRIER 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 Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K 9/127 :61/225,289 :14/07/2009 :U.S.A. :PCT/IL2010/000563 :14/07/2010 :WO 2011/007353 :NA :NA :NA	(71)Name of Applicant: 1)POLYPID LTD. Address of Applicant: 1 LESHEM STREET, 82000 KIRYAT GAT, ISRAEL (72)Name of Inventor: 1)EMANUEL NOAM 2)NEUMAN MOSHE 3)BARAK SHLOMO
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### (57) Abstract:

The present invention provides compositions for extended release of one or more active ingredients, comprising a lipid-saturated matrix formed from a non-biodegradable polymer or a block- co-polymers comprising a non-biodegradable polymer and a biodegradable polymer. The present invention also provides methods of producing the matrix compositions and methods for using the matrix compositions to provide controlled release of an active ingredient in the body of a subject in need thereof.

No. of Pages: 79 No. of Claims: 45

(22) Date of filing of Application :20/01/2012

(43) Publication Date: 12/06/2015

# (54) Title of the invention: A METHOD OF ACTIVATING AN ARTICLE OF PASSIVE FERROUS OR NON-FERROUS METAL PRIOR TO CARBURISING, NITRIDING AND/OR NITROCARBURISING

<ul> <li>(51) International classification</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/DK2010/050194	(71)Name of Applicant: 1)EXPANITE A/S Address of Applicant: DIPLOMVEJ BYGNING 378, DK-2800 KONGENS LYNGBY, DENMARK (72)Name of Inventor:
(33) Name of priority country	:EUROPEAN UNION	2800 KONGENS LYNGBY, DENMARK
(86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:PC1/DR2010/050194 :19/07/2010 :WO 2011/009463 :NA :NA :NA	1)CHRISTIANSEN, THOMAS LUNDIN 2)HUMMELSH [*] J, THOMAS STRABO 3)SOMERS, MARCEL A.J.

## (57) Abstract:

A method of activating an article of passive ferrous or non-ferrous metal by heating at least one compound containing nitrogen and carbon, wherein the article is treated with gaseous species derived from the compound. The activated article can be subsequently carburised, nitrided or nitrocarburised in shorter time at lower temperature and resulting superior mechanical properties compared with non-activated articles and even articles of stainless steel, nickel alloy, cobalt alloy or titanium based material can be carburised, nitrided or nitrocarburised.

No. of Pages: 29 No. of Claims: 13

(21) Application No.6507/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/08/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: VEHICLE STEERING 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) Petent of Addition to Application</li> </ul>	:B62D1/18 :2012027785 :10/02/2012 :Japan :PCT/JP2012/083377 :25/12/2012 :WO 2013/118411	(71)Name of Applicant:  1)AISIN SEIKI KABUSHIKI KAISHA Address of Applicant: 1Asahi machi 2 chomeKariya shi Aichi 4488650 Japan (72)Name of Inventor: 1)MORINAGA Shinya 2)KUROKAWA Yasuaki
	1	±
Filing Date	:25/12/2012	1)MORINAGA Shinya
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Provided is a steering device that is interchangeable with a manual tilt mechanism and configures a compact power tilt mechanism which can easily be installed in a vehicle. A steering device provided with a tilt bracket (2) for holding a steering column (10) and supported so as to be relatively movable in relation to a fixed bracket (1) and a tilt shaft (3) extending in the horizontal direction of the vehicle and supported so as to be relatively movable in the axial direction of the steering column in relation to the fixed bracket wherein a drive unit (4) rotates the tilt bracket around the axis of the tilt shaft and adjusts the relative position of the tilt bracket in relation to the fixed bracket. Furthermore by interposing a tilt slider between an elongated hole formed in the fixed bracket and the tilt shaft and providing a biasing member for biasing the tilt slider in the axial direction of the tilt shaft it is possible to prevent the rattling which accompanies tilt operation and maintain smooth operation.

No. of Pages: 36 No. of Claims: 10

(21) Application No.385/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :15/01/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: COMPOUNDS FOR TARGETED IMMUNOTHERAPY

(51) International :A61K39/00,A61K47/48,A61P35/00

classification

(31) Priority Document No :201210248481.9 (32) Priority Date :18/07/2012 (33) Name of priority country: China

(86) International :PCT/CN2013/079441

Application No :16/07/2013 Filing Date

(87) International Publication :WO 2014/012479

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA

Filing Date

(71)Name of Applicant:

1)SHANGHAI BIRDIE BIOTECH INC.

Address of Applicant: 1 4 13 1 Xiushui Road Chaoyang

District Beijing 100600 China (72) Name of Inventor:

1)LI Lixin

(57) Abstract:

Compounds for targeted immunotherapy compositions comprising the compounds and use of the compounds in the treatment of diseases such as cancer are disclosed. The compounds having the structure of formula TM Ln AM wherein TM is a targeting moiety AM is an activating moiety that is capable of activating a human dendritic cell NK cell or tumor cell or a combination thereof Ln is a linker and n is an integer selected from 0 and 1.

No. of Pages: 85 No. of Claims: 41

(21) Application No.454/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :18/02/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: BRAID EXPANSION RING WITH MARKERS

<ul> <li>(51) International classification</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	Address of Applicant :325 PARAMOUNT DRIVE, RAYNHAM, MA 02767 U.S.A. (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:NA : NA :NA :NA	1)JUAN A. LORENZO
(62) Divisional to Application Number Filing Date	:NA :NA :NA	

### (57) Abstract:

An expansion ring for a braided stent includes a plurality of elongated forked frame elements forming the expansion ring. Each of the frame elements includes first and second legs extending in one direction and connected together at a junction portion forming a fulcrum allowing compression of the frame elements, and each of the frame elements are threaded through interstices in a tubular body of the braided stent so that the junction portions engage the tubular body of the braided stent. Each of the frame elements is connected sequentially to adjacent frame elements at the ends of the first and second legs, and the expansion ring has a compressed configuration with a first diameter and an expanded configuration with a second diameter larger than the first diameter.

No. of Pages: 20 No. of Claims: 25

(21) Application No.584/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention : A METHOD FOR FASTENING A JOINT PIN TO A STRUCTURAL MEMBER A JOINT PIN AND A JOINT CONSTRUCTION

	<ul> <li>(51) International classification</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> </ul>	:F23L :20095725 :25/06/2009 :Finland :PCT/FI2010/050515 :16/06/2010 : NA :NA	(71)Name of Applicant:  1)Rannikon Konetekniikka Oy Address of Applicant: Muurarinkatu 2 FI-92120 Raahe Finland (72)Name of Inventor: 1)POHJOLA Kalle
(CO) Division 1 (1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Number Filing Date	:NA	
(62) Divisional to Application Number :NA Filing Date :NA	(62) Divisional to Application Number	:NA ·NA	

#### (57) Abstract:

In the method a joint pin (10) is fastened in a removable manner to a first structural member (100) such as a shovel or the supporting part of a shovel in loading mucking or excavating equipment. The structural member is provided with a conical recess (102) and a threaded fastening hole (104) at the bottom of the recess. The joint pin is provided with a conical fixing piece (14) that matches the recess and a hole (12) extending in the direction of the longitudinal axis of the joint pin. The fixing piece is fitted in the recess of the first structural member and is fastened in its place by a fastening screw (20) wherein the fixing piece is pressed tightly into the recess.

No. of Pages: 14 No. of Claims: 23

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHOD FOR PRODUCING BIORESOURCED ACRYLIC ACID FROM GLYCEROL

<ul> <li>(51) International classification</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>	:29/06/2010 :WO 2011/010036 :NA :NA	(71)Name of Applicant:  1)ARKEMA FRANCE Address of Applicant:420, RUE D' ESTIENNE D'ORVES, F- 92700 COLOMBES, FRANCE (72)Name of Inventor: 1)MICHAEL FAUCONET
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An aim of the present invention is to produce, from glycerol, a bioresourced acrylic acid, that is to say an acrylic acid essentially based on a carbon source of natural origin, corresponding to a degree of purity corresponding to the requirements of the users. The process according to the invention comprises a final stage of purification of the acrylic acid by fractional crystallization applied to one of the acrylic acid fractions resulting from the purification line employed after having extracted the acrylic acid, obtained from glycerol, by countercurrentwise absorption with a heavy hydrophobic solvent.

No. of Pages: 36 No. of Claims: 10

(21) Application No.6501/DELNP/2014 A

(19) INDIA

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

(43) Publication Date: 12/06/2015

# (54) Title of the invention : PHARMACEUTICAL COMPOSITIONS COMPRISING METFORMIN AND A DPP 4 INHIBITOR OR A SGLT 2 INHIBITOR

(51) International classification :A61K9/24,A61K31/155,A61K31/522

(31) Priority Document No :61/607771 (32) Priority Date :07/03/2012

(33) Name of priority :U.S.A.

country (86) International

Application No :PCT/EP2013/054524

Filing Date :06/03/2013

(87) International Publication No :WO 2013/131967

(61) Patent of Addition to Application Number :NA Filing Date :NA

Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)BOEHRINGER INGELHEIM INTERNATIONAL

**GMBH** 

Address of Applicant :Binger Strasse 173 55216 Ingelheim

Am Rhein Germany (72)Name of Inventor: 1)ITO Masanori 2)EGUSA Kenji

3)KLEINBECK Kyle 4)MESSERSCHMID Roman

5)SCHNEIDER Peter 6)VOLETI Venkata

(57) Abstract:

The present invention relates to pharmaceutical compositions comprising fixed dose combinations of a DPP 4 inhibitor drug and/or a SGLT 2 inhibitor drug and metformin XR processes for the preparation thereof and their use to treat certain diseases.

No. of Pages: 73 No. of Claims: 30

(22) Date of filing of Application: 15/01/2015 (43) Publication Date: 12/06/2015

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

(51) International classification :H04W72/04,I (31) Priority Document No :1215581.8 (32) Priority Date :31/08/2012

(33) Name of priority country :U.K.

(86) International Application No
Filing Date

PCT/GB2013/052274

:29/08/2013

(87) International Publication No :WO 2014/033461

(61) Patent of Addition to Application
Number
Filing Date
(62) Divisional to Application Number
Filing Date
:NA
Filing Date
:NA

:H04W72/04,H04L5/00 (71)**Name of Applicant :** :1215581.8 **1)SONY CORPORATION** 

Address of Applicant :1 7 1 Konan Minato ku Tokyo 108 0075

Japan

(72)Name of Inventor: 1)MORIOKA Yuichi

### (57) Abstract:

A mobile communications system communicates data to and/or from mobile communications devices. The mobile communications system provides a wireless access interface for communicating data to and/or from the mobile communications devices the wireless access interface providing on a downlink first carrier the first carrier providing a plurality of communications resource elements across a first frequency range for communicating data and providing a plurality of communications resource elements within a second frequency range which is within and smaller than the first frequency range. The wireless access interface provided by the base stations includes a plurality of time divided sub frames each sub frame including the plurality of communications resource elements of the first frequency range and the plurality of the communications resource elements of the second frequency range and each sub frame includes a first wideband control channel in a part of each sub frame having a bandwidth corresponding substantially to the first frequency range and a second narrow band control channel in a second part of each sub frame and having a bandwidth which is less than the first wideband control channel and a duration of the second narrow band control channel within the sub frame is greater than a duration of the first wideband control channel within the sub frame. The second narrow band control channel is configured for communicating control information to both the first mobile communications devices and the second mobile communications devices and forms part of the plurality of the communications resource elements of the second frequency range of the second carrier. By arranging for the narrow band control channel to be within the virtual carrier and to communicate control information to both first full capability communications devices and second reduced capability communications devices the second reduced capability devices can access the narrow band control channel which is shared with the first full capability mobile devices. This arrangement makes more use of the communications resources available to the communications system.

No. of Pages: 32 No. of Claims: 10

(21) Application No.539/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: N1-ACYL-5-FLUOROPYRIMIDINONE DERIVATIVES

		(71)Name of Applicant :
(51) International classification	:C07D 339/02	1)DOW AGROSCIENCES LLC
(31) Priority Document No	:61/232,223	Address of Applicant :9330 ZIONSVILLE ROAD,
(32) Priority Date	:07/08/2009	INDIANAPOLIS, IN 46268-1054, U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2010/044576	1)TIMOTHY BOEBEL
Filing Date	:05/08/2010	2)KRISTY BRYAN
(87) International Publication No	:WO 2011/017538	3)BETH LORSBACH
(61) Patent of Addition to Application	:NA	4)TIMOTHY MARTIN
Number	:NA :NA	5)W. OWEN
Filing Date	:INA	6)MARK POBANZ
(62) Divisional to Application Number	:NA	7)SCOTT THORNBURGH
Filing Date	:NA	8)JEFFERY WEBSTER
		9)CHENGLIN YAO

# (57) Abstract:

This present disclosure is related to filed of N1-acyl-5- fluoropyrimidinones and their derivatives and to the use of these compounds as fungicides.

No. of Pages: 36 No. of Claims: 4

(22) Date of filing of Application :20/01/2012

(43) Publication Date: 12/06/2015

# (54) Title of the invention : N-(2-OXO-1-PHENYLPIPERIDIN-3-YL) SULFONAMIDES FOR THE IDENTIFICATION OF BIOLOGICAL AND PHARMACOLOGICAL ACTIVITY

## (57) Abstract:

Novel compounds are continually sought after to treat and prevent diseases and disorders. The invention relates to  $N-(2-\infty-I-phenylpiperidin-3-yl)$  sulfonamides useful for being biologically and pharmacologically screened, and to contribute to the exploration and identification of new lead molecules that are capable of modulating the functional activity of a biological target.

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

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : GRAB BUCKET HOISTING CONTROL DEVICE UNLOADER PROVIDED WITH GRAB BUCKET HOISTING CONTROL DEVICE AND GRAB BUCKET HOISTING CONTROL METHOD

(51) International classification	:B66C13/32,B66C19/00 :2012271794	(71)Name of Applicant:
(31) Priority Document No (32) Priority Date	:12/12/2012	1)MITSUBISHI HEAVY INDUSTRIES MACHINERY TECHNOLOGY CORPORATION
(33) Name of priority country	:Japan	Address of Applicant :6 22 Kan on Shin machi 4 chome Nishi
(86) International Application No	:PCT/JP2013/066984	ku Hiroshima shi Hiroshima 7338553 Japan
Filing Date	:20/06/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/091780	1)YOSHIOKA Nobuo
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A hoisting device (20) for a grab bucket (2) is provided with an information acquiring unit (241) for acquiring the feed length and tension of a suspending rope (11) or the like. The hoisting control device (20) is provided with a closing rope control unit (246) for causing winding or the like on the basis of the feed length of a closing rope (12). The hoisting control device (20) is provided with a first winding control unit (247) for causing winding or the like on the basis of the feed length of the suspending rope (11) and a second winding control unit (248) for causing winding or the like on the basis of the tension of the suspending rope (11). The hoisting control device (20) is provided with a switching control unit (245) for switching control according to the tension of the suspending rope (11).

No. of Pages: 71 No. of Claims: 5

(21) Application No.6493/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/08/2014 (43) Publication Date: 12/06/2015

# (54) Title of the invention: PROCESS FOR MAKING LEVULINIC ACID

(51) International :C07C51/12,C07C53/126,C07D307/44

classification (31) Priority Document No :61/584890

(32) Priority Date :10/01/2012 (33) Name of priority :U.S.A. country

(86) International :PCT/US2012/066710 Application No

:28/11/2012 Filing Date

(87) International :WO 2013/106137 Publication No

(61) Patent of Addition to :NA **Application Number** Filing Date (62) Divisional to

:NA

:NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)ARCHER DANIELS MIDLAND COMPANY

Address of Applicant :4666 Faries Parkway Decatur Illinois

62526 U.S.A.

(72) Name of Inventor: 1)SANBORN Alexandra 2)BINDER Thomas P.

## (57) Abstract:

A process is described wherein a feed of a six carbon carbohydrate containing material or of a furanic dehydration product from a six carbon carbohydrate containing material or of a combination of these is supplied to a reactor in a controlled manner over time up to a desired combined or total feed level and the feed is acid hydrolyzed to produce levulinic acid. In certain embodiments derivatives of the levulinic acid are prepared.

No. of Pages: 22 No. of Claims: 10

(21) Application No.6494/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/08/2014 (43) Publication Date: 12/06/2015

(54) Title of the invention: COMMUNICATION SYSTEM IDENTIFIER ASSIGNMENT DEVICE BASE STATION IDENTIFIER ASSIGNMENT METHOD AND NON TRANSITORY COMPUTER READABLE MEDIUM EMBODYING INSTRUCTIONS FOR CONTROLLING A DEVICE

(51) International :H04W16/00,H04W24/02,H04W92/20 classification

(31) Priority Document No :2012033095

(32) Priority Date :17/02/2012

(33) Name of priority :Japan

country

(86) International

:PCT/JP2013/000857 Application No

:15/02/2013 Filing Date

(87) International

:WO 2013/121798 Publication No

(61) Patent of Addition to

:NA Application Number :NA Filing Date (62) Divisional to

:NA **Application Number** :NA Filing Date

(71) Name of Applicant: 1)NEC CORPORATION

Address of Applicant: 7 1 Shiba 5 chome Minato ku Tokyo

1088001 Japan

(72) Name of Inventor: 1)HOSOBE Hideumi

### (57) Abstract:

The communication system includes a first base station that forms a first cell a second base station that forms a second cell and an identifier assignment device that assigns an identifier for identifying the second cell wherein the first base station transmits first neighbor cell information containing identifier information of neighbor cells of the first cell to the second base station and the second base station transmits the first neighbor cell information received from the first base station to the identifier assignment device.

No. of Pages: 51 No. of Claims: 10

(21) Application No.6495/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/08/2014 (43) Publication Date: 12/06/2015

# (54) Title of the invention: SPIRO [2.4] HEPTANES FOR TREATMENT OF FLAVIVIRIDAE INFECTIONS

(51) International :C07D239/54,C07F9/6512,A61K31/513 classification

(31) Priority Document

:61/598524

(32) Priority Date (33) Name of priority :14/02/2012 :U.S.A.

country

(86) International

Application No

:PCT/US2013/026062 :14/02/2013

Filing Date (87) International

Publication No

:WO 2013/123138

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date (62) Divisional to

Application Number Filing Date

:NA :NA (71)Name of Applicant:

1)UNIVERSITY OF GEORGIA RESEARCH

FOUNDATION INC.

Address of Applicant :6th Floor Boyd Graduate Studies Research Building 200 D.W. Brooks Drive Athens GA 30602

7411 U.S.A.

(72) Name of Inventor:

1)CHU Chung K.

## (57) Abstract:

Compounds methods and compositions for the treatment of infections in or exposure to humans and other host animals of Flaviviridae viruses including HCV that includes the administration of an effective amount of a spiro[2.4]heptane as described herein or a pharmaceutically acceptable salt or produce thereof optionally in a pharmaceutically acceptable carrier are provided. The spiro[2.4]heptane compounds either possess antiviral activity or are metabolized to a compound that exhibits such activity.

No. of Pages: 62 No. of Claims: 78

(21) Application No.6497/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: FUEL SUPPLY DEVICE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:F02M37/00,F02M37/12,F02M37/18 :NA	(71)Name of Applicant:  1)TOYOTA JIDOSHA KABUSHIKI KAISHA  Address of Applicant: 1 Toyota cho Toyota shi Aichi 4718571
(32) Priority Date	:NA	Japan
(33) Name of priority country	:NA	(72)Name of Inventor: 1)KATAOKA Chiaki
(86) International Application No Filing Date	:PCT/JP2012/052406 :02/02/2012	2)AKAGI Masaki
(87) International Publication No	:WO 2013/114606	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A fuel supply device is achieved which can have a more compact fuel pump said fuel supply device having a configuration in which some of the fuel which has been pumped to the outside by driving of the fuel pump can be returned to a housing unit where no fuel pump is arranged. A jet pump (68) is provided in a vapor discharge tube (64) capable of returning fuel from a fuel pump main body (42) to a second fuel housing unit (38S). The cross sectional area of the flow path of the vapor discharge tube (64) can be changed by a float valve (76).

No. of Pages: 49 No. of Claims: 7

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : WIRELESS COMMUNICATION TERMINAL COMMUNICATION SYSTEM CONTROL APPARATUS COMMUNICATION METHOD AND PROGRAM

(51) International :H04W48/16,H04M1/00,H04W48/18

(31) Priority Document No :2012023810 (32) Priority Date :07/02/2012

(33) Name of priority :Japan

country (86) International

Application No :PCT/JP2012/007063

Filing Date :05/11/2012

(87) International Publication No :WO 2013/118209

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:
1)NEC CORPORATION

Address of Applicant: 7 1 Shiba 5 chome Minato ku Tokyo

1088001 Japan

(72)Name of Inventor:
1)AKIYOSHI Ippei
2)MIZUKOSHI Yasuhiro

3)ITOH Nobuhiko

## (57) Abstract:

A wireless communication terminal provided with multiple types of communication interface is made to select a more desirable communication interface. The wireless communication terminal includes: a plurality of communication interfaces each of which corresponds to at least one of a plurality of wireless access systems; means for receiving an instruction from a prescribed control apparatus the instruction including a wireless access system determined by the control apparatus based on a status of the wireless communication terminal which changes along with movement of the wireless communication terminal; and means for communicating by using a communication interface corresponding to the instructed wireless access system.

No. of Pages: 51 No. of Claims: 31

(21) Application No.538/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :26/02/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: FEMORAL COMPONENT FOR AN IMPLANTABLE HIP PROSTHESIS

(51) International classification	:A61F2/34	(71)Name of Applicant:
(31) Priority Document No	:13/829,026	1)DEPUY SYNTHES PRODUCTS, LLC
(32) Priority Date	:14/03/2013	Address of Applicant :325 PARAMOUNT DRIVE,
(33) Name of priority country	:U.S.A.	RAYNHAM, MA 02767, U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)JOHN M. ARMACOST
(87) International Publication No	: NA	2)RYAN C. KEEFER
(61) Patent of Addition to Application Number	:NA	3)JEFFREY A. MCANELLY
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An orthopaedic prosthesis for use in a hip replacement surgery includes an implantable stem component. The implantable stem component includes a core and a shell extending over the core. The shell includes a polymeric material and is configured to receive a femoral head component. Metal foam may extend over a portion of the shell.

No. of Pages: 39 No. of Claims: 20

(21) Application No.569/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :28/02/2014

(43) Publication Date: 12/06/2015

(54) Title of the invention: MULTI LAYERED COVERING MATERIAL AND PROCESS FOR MAKING MULTI LAYERED COVERING FOR ELEMENTS MAKING FURNITURE MORE COMFORTABLE COMPRISING UPHOLSTERY, CUSHIONS, BLANKETS, AND SIMILAR 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 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>	:B68G7/05 :EP13001249.5 :12/03/2013 :EUROPEAN UNION :NA :NA :NA :NA	(71)Name of Applicant:  1)BOXMARK LEATHER D.O.O.  Address of Applicant:INDUSTRIJSKO NASE1JE 10, 2325  KIDRICEVO,, SLOVENIA  (72)Name of Inventor:  1)NINO SVILAR
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#### (57) Abstract:

MULTI LAYERED COVERING MATERIAL FOR UPHOLSTERY SOLVES ABOVE REFERENCED TECHNICAL PROBLEM BY COMBINING TWO MATERIALS: ONE WHICH IS FRIENDLY TO SKIN OR TO TOUCH, AND PRONE TO STRETCHING OR OTHER TYPES OF SHAPE CHANGE UNDER ENVIRONMENTAL INFLUENCE, AND ONE WHICH IS NOT - SO FRIENDLY MATERIAL CAN PERFORM FUNCTION OF BEING FRIENDLY, AND THE OTHER MATERIAL PROVIDES SUPPORT SO FRIENDLY MATERIAL WOULD NOT CHANGE ITS SHAPE EVEN IF, FOR EXAMPLE, WET. THIS PATENT APPLICATION ALSO COVERS PROCESS FOR MAKING MULTI COVERING MATERIAL FOR ELEMENTS MAKING FURNITURE MORE COMFORTABLE COMPRISING UPHOLSTERY, CUSHIONS, BLANKETS, AND SIMILAR ELEMENTS, SAID MULTI LAYERED COVERING MATERIAL COMPRISING STEPS OF ALIGNING OUTER LAYER (1) COMPRISED OF AT LEAST ONE USER FRIENDLY MATERIAL PRONE TO CHANGE SHAPE UNDER ENVIRONMENTAL INFLUENCE, PREFERABLY MOISTURE OVER INNER LAYER (2) COMPRISED OF MATERIAL ESSENTIALLY RESISTANT TO SHAPE CHANGE UNDER ENVIRONMENTAL INFLUENCE, AND CONNECTING SAID LAYERS TOGETHER.

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

(21) Application No.569/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application:19/01/2012 (43) Publication Date: 12/06/2015

## (54) Title of the invention: MOTILIN-LIKE PEPTIDE COMPOUND HAVING TRANSMUCOSAL ABSORBABILITY IMPARTED THERETO

(51) International classification :C07K 14/63 (31) Priority Document No :177107/2009 (32) Priority Date :29/07/2009 (33) Name of priority country :Japan (86) International Application No :PCT/JP2010/062746 (72) Name of Inventor : Filing Date :29/07/2010 (87) International Publication No :WO 2011/013728 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(71)Name of Applicant:

1)DAIICHI SANKYO COMPANY, LIMITED

Address of Applicant: 3-5-1, NIHONBASHI HONCHO,

CHUO-KU, TOKYO 103-8426 JAPAN

1)SEIJI SATO

2)TAKESHI HANADA

3)NAOMI WAKABAYASHI

4)YUTAKA MASUDA

5)YURIKI HARADA

#### (57) Abstract:

The present invention aims at providing motilin-like peptide compounds that maintain the gastrointestinal motility stimulating activity of native motilin and which are adapted to have higher absorbability upon transmucosal administration. Motilin derivatives were designed and synthesized in consideration of the pathway for the degradation of motilin at a site of its transmucosal absorption and the maintenance of motilin's physiological activity and compounds characterized by substitutions for the amino acid at position 21 of native motilin have been found to show higher absorbability upon transmucosal administration and yet maintain the same activity as motilin.

No. of Pages: 49 No. of Claims: 7

(21) Application No.585/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/01/2012 (43) Publication Date: 12/06/2015

# (54) Title of the invention : A METHOD FOR FASTENING THE CLAW OF A LIFTING DEVICE TO A LIFTING ARM AND A LIFTING 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</li> </ul>	:16/06/2010 : NA :NA :NA :NA	(71)Name of Applicant:  1)RANNIKON KONETEKNIIKKA OY Address of Applicant: Muurarinkatu 2 FI-92120 Raahe Finland (72)Name of Inventor: 1)POHJOLA Kalle
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In a method a lifting claw is connected to the lifting arm of a lifting device to be turnable around a first rotation axis. The lifting device comprises at least one lifting arm (18a 18b) with a turnable lifting claw (20) for supporting a piece to be lifted. The lifting claw is connected to the lifting arm by means of a first rotation axis (30) which is supported to the lifting arm to be movable in the longitudinal direction of the lifting arm. Furthermore the lifting claw comprises a second rotation axis (34) which is supported to the lifting arm to be movable in the direction transverse to the lifting arm. When the lifting claw is withdrawn or exposed it turns around the first and second rotation axes.

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

(22) Date of filing of Application :04/08/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: A METHOD FOR VARIABLE CONTROL OF A ZONE SENSOR IN A COMBAT AIRCRAFT.

(51) International :F41H11/02,F41H13/00,G01S13/66 classification

(31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country: NA

(86) International Application :PCT/SE2012/050118

:08/02/2012 Filing Date

(87) International Publication :WO 2013/119151

(61) Patent of Addition to

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)SAAB AB

Address of Applicant: S 581 88 Linkping Sweden

(72) Name of Inventor: 1)LUNDOVIST Anders 2)KENSING Vibeke

(57) Abstract:

The invention relates to a method for controlling a sensor in a combat aircraft (1) comprising the steps of: a) determining (3) direction and size of a defence zone around the combat aircraft (1) based on a plurality of characteristic parameters of an enemy combat aircraft (2) b) determining (4) direction and size of at least one offence zone around the combat aircraft (1) based on the plurality of characteristic parameters of the enemy combat aircraft (2) and c) controlling (5) the sensor in the combat aircraft (1) according to emission level and detection capacity within at least one of the defence zone and the at least one offence zone. In this way the sensors are controlled reliably and thus the pilot can act and react mission oriented.

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

(21) Application No.6512/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/08/2014 (43) Publication Date : 12/06/2015

### (54) Title of the invention: HYDRODYNAMIC RETARDER

:B60T1/087,F16D57/02 (71)Name of Applicant : (51) International classification (31) Priority Document No :10 2012 002 038.4 1)VOITH PATENT GMBH (32) Priority Date Address of Applicant :St. Pltener Str. 43 89522 Heidenheim :03/02/2012 (33) Name of priority country :Germany Germany (86) International Application No :PCT/EP2013/052130 (72) Name of Inventor: Filing Date :04/02/2013 1)LAUKEMANN Dieter (87) International Publication No :WO 2013/113919 (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 hydrodynamic retarder comprising a rotor (1) and a stator (2) which form a working chamber (3) with each other; a first working medium connection (6); a second working medium connection (7); and a working medium container (4) that has an outlet (10) which is connected to the first working medium connection via a line and an inlet (11) which is connected to the second working medium connection via a line; wherein the working medium container is made of two housing parts (8 9) which are joined together along a parting line (12). According to the invention: the two housing parts together enclose the working medium storage volume; one of the two housing parts simultaneously forms a part of a retarder housing (14) which supports or forms the stator and partly forms all or some of the working medium conducting connections between the working medium storage volume and the working chamber; and a separating plate (13) is inserted between the two housing parts said separating plate together with one or both of the housing parts forming cavities for the working medium conducting connections and/or the working medium storage volume.

No. of Pages: 18 No. of Claims: 13

(21) Application No.6513/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/08/2014

(43) Publication Date: 12/06/2015

# (54) Title of the invention: DEVICE FOR DETECTING ABRASIVE WEAR

<ul> <li>(51) International classification</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>	:07/01/2013 :WO 2013/107664 :NA :NA	(71)Name of Applicant:  1)VOITH PATENT GMBH  Address of Applicant: St. Pltener Str. 43 89522 Heidenheim  Germany (72)Name of Inventor:  1)KRATZSCH Axel  2)CHRIST Daniel  3)SCHOPPA Jan
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

The invention relates to a device (7) for detecting abrasive wear on components (21 22) of water turbines (2) comprising a wear body (9) and a measuring device (13) for detecting wear on the wear body (9). The invention is characterized in that the wear body (9) is arranged in the current flowing through the water turbine (2) the wear body is designed as a sonotrode (9) and is connected to an ultrasonic generator (11) and the measuring device (13) is designed to measure the natural frequency of the sonotrode (9).

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

(22) Date of filing of Application :02/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: COMBINED SCATTER AND TRANSMISSION MULTI VIEW 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>(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>	:61/594625 :03/02/2012 :U.S.A.	(71)Name of Applicant:  1)RAPISCAN SYSTEMS INC.  Address of Applicant: 2805 Columbia Street Torrance CA 90503 U.S.A. (72)Name of Inventor:  1)MORTON Edward James
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## (57) Abstract:

The present specification discloses a multi view X ray inspection system having in one of several embodiments a three view configuration with three X ray sources. Each X ray source rotates and is configured to emit a rotating X ray pencil beam and at least two detector arrays where each detector array has multiple non pixellated detectors such that at least a portion of the non pixellated detectors are oriented toward both the two X ray sources.

No. of Pages: 32 No. of Claims: 20

(22) Date of filing of Application :02/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: COMPOSITE GAMMA NEUTRON DETECTION 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</li> <li>Number</li> </ul>	:61/595044 :04/02/2012 :U.S.A.	(71)Name of Applicant:  1)RAPISCAN SYSTEMS INC.  Address of Applicant: 2805 Columbia Street Torrance CA 90503 U.S.A. (72)Name of Inventor:  1)GOZANI Tsahi  2)KING Michael Joseph 3)HILLIARD Donald Bennett 4)BENDAHAN Joseph
11		7
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention provides a gamma neutron detector based on mixtures of thermal neutron absorbers that produce heavy particle emission following thermal capture. In one configuration B 10 based detector is used in a parallel electrode plate geometry that integrates neutron moderating sheets such as polyethylene on the back of the electrode plates to thermalize the neutrons and then detect them with high efficiency. The moderator can also be replaced with plastic scintillator sheets viewed with a large area photomultiplier tube to detect gamma rays as well. The detector can be used in several scanning configurations including portal drive through drive by handheld and backpack etc.

No. of Pages: 53 No. of Claims: 21

(21) Application No.6508/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: VEHICLE STEERING DEVICE

(32) Priority Date       :10/02/2012       Add         (33) Name of priority country       :Japan       448865         (86) International Application No       :PCT/JP2012/083378       (72)Nat         Filing Date       :25/12/2012       1)MC         (87) International Publication No       :WO 2013/118412       2)KU	AISIN SEIKI KABUSHIKI KAISHA Address of Applicant: 1 Asahi machi 2 chomeKariya shi Aichi 8650 Japan Name of Inventor: MORINAGA Shinya KUROKAWA Yasuaki MARUTANI Takeshi
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#### (57) Abstract:

Provided is a steering device that reduces the load on a drive unit as much as possible is compact and configures a compact power tilt mechanism which can easily be installed in a vehicle. A steering device provided with a drive unit (4) for adjusting the relative position of a steering column (10) in relation to a fixed bracket (1) and a biasing member (for example tension coil spring (5)) for holding one end to the fixed bracket and when the drive unit is not driving keeping the steering column in a prescribed neutral position wherein the drive unit adjusts the steering column to a prescribed tilt angle tilt position in relation to the fixed bracket.

No. of Pages: 28 No. of Claims: 6

(21) Application No.6509/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PHYSICAL TAG BASED SUBSCRIPTION SERVICES

(51) International classification	:H04W4/00	(71)Name of Applicant:
(31) Priority Document No	:13/350656	1)CISCO TECHNOLOGY INC.
(32) Priority Date	:13/01/2012	Address of Applicant: 170 West Tasman Drive San Jose
(33) Name of priority country	:U.S.A.	California 95134 U.S.A.
(86) International Application No	:PCT/US2013/021326	(72)Name of Inventor:
Filing Date	:11/01/2013	1)MCLAREN Dave
(87) International Publication No	:WO 2013/106784	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Methods and apparatus are provided for automatically subscribing to a web based service or resource based on reading a physical tag (e.g. an RFID tag) placed within range of a network device (e.g. a home network router) in a smart home network. The tag may store basic information about the web based service or resource. When the tag is read the network device may automatically contact the service or resource provider in an effort to subscribe a user to that service or resource such that the service or resource may be enabled at that network device. In this manner the user may quickly and easily subscribe to web based services and/or resources without having to configure anything select any menu choices type in any information etc.

No. of Pages: 28 No. of Claims: 20

(21) Application No.6510/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: OPTIMAL TINT SELECTION

(51) International classification	:G01J3/46	(71)Name of Applicant:
(31) Priority Document No	:13/365732	1)PPG INDUSTRIES OHIO INC.
(32) Priority Date	:03/02/2012	Address of Applicant :3800 West 143rd Street Cleveland OH
(33) Name of priority country	:U.S.A.	44111 U.S.A.
(86) International Application No	:PCT/US2013/023573	(72)Name of Inventor:
Filing Date	:29/01/2013	1)BEYMORE Paul Michael
(87) International Publication No	:WO 2013/116192	2)WHITBY Jon David
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1111	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for determining a paint formulation includes: obtaining target color information for a target color identifying a plurality of toners and corresponding concentrations of the toners in a paint formula that can be used to produce a paint having a color that is similar to the target color and modifying the paint formula by removing one of the identified toners having a lowest concentration to produce a modified paint formula that can be used to produce a paint having a color that is similar to the target color and determining if the modified paint formula meets user specified acceptance criteria. An apparatus that can be used to perform the method is also described.

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

(21) Application No.6511/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :02/08/2014

(43) Publication Date: 12/06/2015

## (54) Title of the invention: HYDRODYNAMIC RETARDER AND METHOD FOR CONTROLLING THE POWER TRANSMISSION OF SUCH A RETARDER

(51) International classification :B60T1/087,F16D57/04 (71)Name of Applicant : (31) Priority Document No :10 2012 004 332.5 (32) Priority Date :07/03/2012 (33) Name of priority country :Germany

(86) International Application No :PCT/EP2013/054635 Filing Date :07/03/2013

(87) International Publication No :WO 2013/132022

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA 1)VOITH PATENT GMBH

Address of Applicant :St. Pltener Str. 43 89522 Heidenheim

Germany

(72) Name of Inventor: 1)LAUKEMANN Dieter 2)ADAMS Werner

3)KIBLER J1/4rgen

#### (57) Abstract:

The invention relates to a method for controlling the power transmission of a hydrodynamic retarder (1) comprising a circulating rotor (2) having vanes and a stator (3) having vanes or a counter rotating rotor having vanes circulating in the opposite rotational direction to the rotor which together form a working chamber (4) that can be filled with operating medium through an inlet (6) and that can be emptied through an outlet (6) wherein the working chamber is filled in a brake operation with operating medium and a brake torque is generated with the hydrodynamic retarder and in a non braking operation the working chamber is emptied to a specific residual amount of operating medium and substantially no brake torque is generated with the hydrodynamic retarder. The invention is characterised by the following step: In the non braking operation by means of an idling pump (9) operating medium is conveyed from an operating medium reserve which is provided outside the working chamber in an operating medium reserve tank (7) into the working chamber of the hydrodynamic retarder for the adjustment of the residual amount.

No. of Pages: 29 No. of Claims: 19

(21) Application No.6487/DELNP/2014 A

(19) INDIA

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

(43) Publication Date: 12/06/2015

## (54) Title of the invention: RECEIVING ASSEMBLY FOR RECEIVING A SEAGOING VESSEL AND SYSTEM FOR RECOVERING AND DEPLOYING SUCH A VESSEL IN THE SEA

(51) International :B63B23/40,B63B23/60,B63B27/10

classification

(31) Priority Document No :1200320

(32) Priority Date :03/02/2012 (33) Name of priority country: France

(86) International Application :PCT/EP2013/051535

No

:28/01/2013 Filing Date

(87) International Publication: WO 2013/113644

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)THALES

Address of Applicant :45 rue de Villiers F 92200 Neuilly Sur

Seine France

(72)Name of Inventor:

1)LOSSEC Jean Jacques

## (57) Abstract:

A receiving assembly (2) for receiving a seagoing vessel (1) which can be suspended on a hinged arm (4) of a handling structure (3) provided with a lifting cable (8) intended to lift a seagoing vessel (1) and to move said vessel in a vertical direction (z) so as to deploy and/or recover said vessel (1) in the sea from a floating building (5) whereon said handling structure (3) is secured said receiving assembly (2) comprising a lower portion (14) comprising receiving means (16) for receiving said vessel (1) said receiving means (16) having a passage through which the cable (8) can pass said receiving means (16) defining a hollow that can receive said vessel (1) when said vessel is suspended by means of the lifting cable (8) and being arranged so as to block the rotational and translational movements according to the vertical upward direction (z) of a seagoing vessel (1) having a generally tubular shape relative to the receiving means (16) when the seagoing vessel (1) is received by the hollow and comes to bear against said means.

No. of Pages: 29 No. of Claims: 16

(21) Application No.6488/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/08/2014 (43) Publication Date: 12/06/2015

### (54) Title of the invention: MEDIUM INTAKE DEVICE

(51) International classification :G07D9/00,B65H1/30,G07D3/00 (71)Name of Applicant:

:07/03/2013

(31) Priority Document No :2012087216 (32) Priority Date :06/04/2012

(33) Name of priority country :Japan

(86) International Application :PCT/JP2013/056360

Filing Date

(87) International Publication No:WO 2013/150860

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(57) Abstract:

1)OKI ELECTRIC INDUSTRY CO. LTD.

Address of Applicant: 1 7 12 Toranomon Minato ku Tokyo

1058460 Japan

(72)Name of Inventor: 1)TAKADA Atsushi

A lower pressure plate (43) is disposed upon a paper currency pressing part (34) of a paper currency intake part (5) below an upper pressure plate (41) with a spring (44) interposed therebetween and the paper currency pressing part (34) presses the lower pressure plate (43) upon stacked paper currency (BLC). Thus when the stacked paper currency (BLC) oscillates vertically with the rotation of a picker roller (23) the paper currency pressing part (34) absorbs by the spring (44) an upward force which is applied from the stacked paper currency (BLC). Furthermore the paper currency pressing part (34) presses the lower pressure plate (43) by a restoring force of the spring (44) with respect to the falling stacked paper currency (BLC). Accordingly the paper currency pressing part (34) continues to make the lower pressure plate (43) make contact with the uppermost part of the stacked paper currency (BLC) allowing the intake of the paper currency (BL) to continue without misalignment of the paper currency in the stacked paper currency (BLC) to occur.

No. of Pages: 75 No. of Claims: 10

(21) Application No.6489/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/08/2014 (43) Publication Date: 12/06/2015

### (54) Title of the invention: MEDIUM PROCESSING DEVICE

(51) International :B65H29/51,B65H5/28,B65H26/06

:WO 2013/140682

classification

(31) Priority Document No :2012063270 (32) Priority Date :21/03/2012 (33) Name of priority country: Japan

(86) International Application :PCT/JP2012/082395

:13/12/2012 Filing Date

(87) International Publication

(61) Patent of Addition to

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)OKI ELECTRIC INDUSTRY CO. LTD.

Address of Applicant: 17 12 Toranomon Minato ku Tokyo

1058460 Japan

(72) Name of Inventor: 1)IWATSUKI Kei

#### (57) Abstract:

A medium processing device configured so as to be capable of stable operation. A temporary holding unit (15) has tape sensors (45A 45B) provided in both tape travel systems (27A 27B) and also has a light shielding area (SA) provided in a termination end section of each internal tape (40A 40B). A control unit (21) for the temporary holding unit (15) is configured so as to monitor light reception signals from the tape sensors (45A 45B) during winding operation of a drum (23) and to stop rotation of the drum (23) at the point that any light reception signal reaches the dark level and a light shielding area (SA) is detected. As a result the temporary holding unit (15) can stop the winding operation of the drum (23) at the point that either of the inner tapes (40A 40B) reaches the termination end section first during the winding operation of the drum (23) and can prevent damage caused by excessive tension being applied to each tape.

No. of Pages: 65 No. of Claims: 8

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: IONOMER POLY(VINYLALCOHOL) BLENDS AND COATINGS

(51) International classification :C09D123/08,C09D129/04,C08L23/08

(31) Priority Document No :13/407829 (32) Priority Date :29/02/2012

(32) Priority Date :29/02/2012 (33) Name of priority :U.S.A.

country

(86) International :PCT/US2013/028152

Application No
Filing Date

1 C1/03201
28/02/2013

(87) International :WO 2013/130704

Publication No
(61) Patent of Addition to
Application Number
:NA

Filing Date
(62) Divisional to
Application Number
:NA
:NA

(71)Name of Applicant:

1)E. I. DU PONT DE NEMOURS AND COMPANY Address of Applicant: 1007 Market Street Wilmington

Delaware 19898 U.S.A. (72)Name of Inventor:
1)ECHT Elliott

2)HAYES Richard Allen

## (57) Abstract:

Filing Date

Disclosed are compositions comprising a blend of a poly(vinyl alcohol) composition comprising a poly(vinyl alcohol) characterized by (i) a hydrolysis level of from 80 to 94 mole % and a 4 weight % aqueous viscosity of 15 centipoise (cP) or less; or (ii) a hydrolysis level of 95 mole % to 100 %; and an ionomer comprising a parent acid copolymer that comprises ethylene and 18 to 30 weight % of acrylic acid or methacrylic acid the acid copolymer having a melt flow rate from 200 to 1000 g/10 min. wherein 50% to 70% of the carboxylic acid groups of the copolymer are neutralized to carboxylic acid salts comprising potassium cations sodium cations or combinations thereof. Articles and multilayer structures comprising the blend composition on a substrate and methods for their preparation are also disclosed.

No. of Pages: 34 No. of Claims: 16

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: EXCAVATOR CLAW AND BODY FOR EXCAVATOR CLAW

(51) International classification	:E02F9/28	(71)Name of Applicant:
(31) Priority Document No	:2012224943	1)KOMATSU LTD.
(32) Priority Date	:10/10/2012	Address of Applicant :2 3 6 Akasaka Minato ku Tokyo
(33) Name of priority country	:Japan	1078414 Japan
(86) International Application No	:PCT/JP2013/051854	(72)Name of Inventor:
Filing Date	:29/01/2013	1)AMADA Eiji
(87) International Publication No	:WO 2014/057693	2)NAGATA Takanori
(61) Patent of Addition to Application	:NA	3)TANAKA Kenichi
Number	:NA	4)ITOU Daijirou
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An excavator claw (100) comprises a body (10) and an abrasion resistant layer (20). The abrasion resistant layer (20) is harder than the body (10). The body (10) comprises an end face (11) a first face (12) a second face (13) a pair of first inclined faces (14) and a pair of second incline faces (15). The abrasion resistant layer (20) comprises a first abrasion resistant layer portion (21) and a second abrasion resistant layer portion (22). The first abrasion resistant layer portion (21) is formed on the end face (11). The second abrasion resistant layer portion (22) is formed on each of the pair of first inclined faces (14) and on the pair of second inclined faces (15). Thus an excavator claw and a body for an excavator claw that are capable of maintaining the penetrating force of the blade edge on the excavation object can be provided.

No. of Pages: 29 No. of Claims: 6

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHOD AND DEVICE FOR PRODUCING NITRIC 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 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>	:21/12/2012 :WO 2013/107490 :NA :NA	(71)Name of Applicant:  1)THYSSENKRUPP INDUSTRIAL SOLUTIONS AG Address of Applicant: ThyssenKrupp Allee 1 45143 Essen Germany (72)Name of Inventor: 1)BIRKE Daniel
1 (01110 01	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a method for producing nitric acid from ammonia and oxygen containing gas applying the single pressure or dual pressure process characterized in that during the start up and/or shut down of the nitric acid plant a process gas is flowing through a process gas cooler (3) and/or a feedwater preheater (2) which process gas is heated in the process gas cooler (3) and/or in the feedwater preheater (2) and is conveyed through at least one heat exchanger (5 4) located downstream of the process gas cooler (3) and/or the feedwater preheater (2) in order to transfer thermal energy from the heated process gas to a residual gas. The invention further relates to a device for carrying out the method. By means of said methods and/or devices a freezing of the residual gas turbine can effectively be prevented.

No. of Pages: 25 No. of Claims: 20

(21) Application No.6529/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/08/2014

(43) Publication Date: 12/06/2015

(54) Title of the invention: A METHOD FOR PRODUCING STABLE AMORPHOUS HYBRID NANOPARTICLES COMPRISING AT LEAST ONE PROTEIN KINASE INHIBITOR AND AT LEAST ONE POLYMERIC STABILIZING AND MATRIX FORMING COMPONENT.

(51) International :A61K9/14,A61K31/506,A61K31/517

classification .A01K9/14,A01K51/500,A01K51/51

(31) Priority Document No :12500153 (32) Priority Date :13/01/2012 (33) Name of priority

country :Sweden

(86) International

Application No :PCT/SE2013/050015

Filing Date

(87) International

Publication No :WO 2013/105894

(61) Patent of Addition to Application Number :NA

Filing Date

(62) Divisional to
Application Number
Filing Date

:NA
:NA

(71)Name of Applicant:

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Address of Applicant :Gunnar Asplunds All 32 S 171 63 Solna

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(72)Name of Inventor:

1)BRISANDER Magnus 2)DEMIRBKER Mustafa

3)JESSON Grald

4)MALMSTEN Martin

5)D%RAND Helene

# (57) Abstract:

The present invention relates to the field of methods for providing components of pharmaceutical compositions comprising poorly water soluble drugs. In particular the present invention relates to methods for providing stable amorphous hybrid nanoparticles comprising at least one protein kinase inhibitor and at least one polymeric stabilizing and matrix forming component useful in pharmaceutical compositions.

No. of Pages: 114 No. of Claims: 33

(21) Application No.3590/DEL/2013 A

(19) INDIA

(22) Date of filing of Application :10/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : A COMPOSITION FOR ENHANCEMENT OF PATHOGENICITY OF PAECILOMYCES LILACINUS AND USES THEREOF

## (57) Abstract:

The present disclosure relates to a composition for the enhancement of pathogenicity of Paecilomyces lilacinus spores in management of nematode infestation, the composition comprising: non-edible oil cake; biogas slurry; and a carrier. The present disclosure also relates to a method for the management of root-knot nematode infestation of plants.

No. of Pages: 39 No. of Claims: 10

(22) Date of filing of Application :15/01/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: SEMICONDUCTOR DEVICE AND METHOD FOR MANUFACTURING SAME AND RINSING **FLUID**

:H01L21/768,H01L21/312 (71)Name of Applicant : (51) International classification

(31) Priority Document No :2012158979 (32) Priority Date :17/07/2012

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2013/069225

Filing Date :12/07/2013

(87) International Publication No :WO 2014/013956

(61) Patent of Addition to Application :NA Number :NA Filing Date

(62) Divisional to Application Number: NA Filing Date :NA

1)MITSUI CHEMICALS INC.

Address of Applicant :5 2 Higashi Shimbashi 1 chome Minato

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(72) Name of Inventor: 1)ONO Shoko

2)KAYABA Yasuhisa 3)TANAKA Hirofumi 4)KOHMURA Kazuo 5)SUZUKI Tsuneji

(57) Abstract:

The present invention provides a method for manufacturing a semiconductor device having: a step for applying a semiconductor seal composition on a semiconductor substrate provided with an interlayer insulating layer having a concave section and wiring containing copper of which at least a portion is exposed on at least a portion of the bottom surface of the concave section and forming a seal layer on at least the bottom and side surfaces of the concave portion; and a step for thermally treating at a temperature of 200 425°C the side surface on which the seal layer of the semiconductor substrate is formed and removing at least a portion of the seal layer formed on the exposed surface of the wiring. The semiconductor seal composition has a cationic functional group and contains a polymer having a weight average molecular weight of 2000 1000000 the Na and K content being no more than 10 wt ppb in elemental terms.

No. of Pages: 74 No. of Claims: 16

(21) Application No.556/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: DEVICE FOR CONTROLLING AN AIR CYLINDER

<ul> <li>(51) International classification</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>	:F15B 15/26 :09 03581 :21/07/2009 :France :PCT/IB2010/053276 :19/07/2010 :WO 2011/010274 :NA :NA :NA	(71)Name of Applicant:  1)ASCO JOUCOMATIC SA Address of Applicant: 32, AVENUE ALBERT LER, F-92500 RUEIL-MALMAISON, FRANCE (72)Name of Inventor: 1)PATRICK BUNEL 2)THIERRY DUFFOUR 3)JACQUES LIBET
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#### (57) Abstract:

The invention relates to a device for controlling a crust breaker air cylinder (1), said device including a distributor (9) and a valve (11), the cylinder (1) being vertically arranged above the surface (M) of a molten metal, the shaft (2) of the cylinder (1) being provided with a wedge (6) that is arranged opposite the surface (M) of the metal, the device including a means (8) for mechanically locking the shaft (2, 3, 7) of the cylinder (1).

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

(22) Date of filing of Application :20/01/2012

(43) Publication Date: 12/06/2015

# (54) Title of the invention : 1-(SULFONYL)-N-PHENYLPYRROLIDINE-2-CARBOXAMIDES FOR THE IDENTIFICATION OF BIOLOGICAL AND PHARMACOLOGICAL ACTIVITY

## (57) Abstract:

Novel compounds are continually sought after to treat and prevent diseases and disorders. The invention relates to 1-(sulfonyl)-N-phenylpyrrolidine-2-carboxamides which are useful for being biologically and pharmacologically screened, and to contribute to the exploration and identification of new lead molecules that are capable of modulating the functional activity of a biological target.

No. of Pages: 36 No. of Claims: 5

(22) Date of filing of Application :04/08/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: PLANT AND METHOD FOR INCREASING THE EFFICIENCY OF ELECTRIC ENERGY **PRODUCTION**

(51) International classification :F01K7/38,F22D1/34,F03G6/06 (71)Name of Applicant :

(31) Priority Document No 1)FALCK RENEWABLES SPA :MI2012A000221

(32) Priority Date :15/02/2012 Address of Applicant: Corso Venezia 16 I 20121 Milano Italy

(33) Name of priority country (72)Name of Inventor: :Italy (86) International Application No: PCT/IB2013/050928 1)MANZONI Piero Filing Date :04/02/2013 2)DI PERSICO Lorenzo

(87) International Publication No: WO 2013/121317 3)SCAPOLO Michele (61) Patent of Addition to

:NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

## (57) Abstract:

A plant (10 110) for the production of electric energy comprises a fuel boiler (11) in which a fluid is heated in order to produce steam a turbine (15) which is connected to an electric generator (16) and to which said steam is conveyed and a condenser unit (19) which re condenses the fluid output from the turbine so that it may be conveyed back to tire steam generator. The return fluid along the path from the condenser unit (19) to the boiler passes through a preheating unit (22) which receives heat from the turbine steam bleed offs (23) and from a thermodynamic solar field (25). By making suitable use of the heat produced by the solar field (25) and contained in the heat carrier fluid which passes through it it is possible to increase the overall efficiency of the plant (10 110). Furthermore advantageously the heat carrier fluid which passes through the thermodynamic solar field receives heat from the fuel boiler via a suitable exchanger (32) which allows an increase in the productivity of the solar field itself and moreover uses the residual heat of the main plant which otherwise would be lost.

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

(22) Date of filing of Application: 19/01/2012 (43) Publication Date: 12/06/2015

## (54) Title of the invention: TERMINAL BLOCK AND BOARD ASSEMBLY FOR AN ELECTRICAL CONNECTOR

<ul> <li>(51) International classification</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>	:H01R 4/24 :12/540,955 :13/08/2009 :U.S.A. :PCT/US2010/002196 :10/08/2010 :WO 2011/019376 :NA :NA :NA	(71)Name of Applicant:  1)TYCO ELECTRONICS CORPORATION Address of Applicant:1050 WESTLAKES DRIVE, BERWYN, PENNSYLVANIA 19312, UNITED STATES OF AMERICA (72)Name of Inventor: 1)MUIR, SHELDON EASTON 2)PEPE, PAUL JOHN 3)MARTIN, RALPH SYKES
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#### (57) Abstract:

A terminal block (142) that electrically couples conductors (276) and terminal contacts (218) is provided. The terminal block includes a terminal base portion (230) that has a mounting side configured to be mounted to a surface of an electrical component. The base portion has contact slots (240) that extend from the mounting side therethrough. The contact slots (240) are configured to receive terminal contacts (218) that are electrically coupled to the electrical component. The terminal block also includes an organizer portion (232) that extends from the base portion (230) and includes channels (256) that extend substantially parallel to the surface of the electrical component. The channels (256) are configured to receive corresponding conductors (276). The contact slots (240) of the base portion (230) align with corresponding channels (256) of the organizer portion (232) so that the terminal contacts (218) electrically couple the conductors (276).

No. of Pages: 30 No. of Claims: 15

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

## (54) Title of the invention: CONVOLUTIONAL IMPAIRMENT COVARIANCE ESTIMATION METHOD AND 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 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>	:H04B 1/707 :12/505,139 :17/07/2009 :U.S.A. :PCT/IB2010/053260 :16/07/2010 :WO 2011/007340 :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) Address of Applicant: SE-164 83 STOCKHOLM (SE) Sweden (72)Name of Inventor: 1)CAIRNS, DOUGLAS, A.
Number Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Path delay information generated by a path searcher module (220) of a wireless receiver (200) is used to generate net channel coefficients (130) for use m suppressing interference from a received signal According to one embodiment, interference is suppressed from a signal transmitted over a communication, channel including {ransom and receive pulse shaping filters and a radio channel by generating net channel coefficients for the communication channel at processing delays such as G- Rake finger delays or chip equalizer tap delays- Medium channel coefficients are generated for the radio channel at estimated path delays as a function of the net channel coefficients. The net channel coefficients are regenerated at arbitrary delays as a function of the medium channel coefficients and an impairment covariance estimate is generated based at least in part on the regenerated net channel coefficients.

No. of Pages: 20 No. of Claims: 21

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: ACETIC ACID PRODUCTION METHOD

(51) International classification	:C07C51/44,C07C53/08	(71)Name of Applicant:
(31) Priority Document No	:2012057570	1)DAICEL CORPORATION
(32) Priority Date	:14/03/2012	Address of Applicant :3 4 5 Umeda Kita ku Osaka shi Osaka
(33) Name of priority country	:Japan	5300001 Japan
(86) International Application No	:PCT/JP2013/056766	(72)Name of Inventor:
Filing Date	:12/03/2013	1)SHIMIZU Masahiko
(87) International Publication No	:WO 2013/137236	2)MIURA Hiroyuki
(61) Patent of Addition to Application	:NA	3)UENO Takashi
Number	:NA	4)NAKAJIMA Hidehiko
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

This production method for producing acetic acid suppresses concentration of hydrogen iodide and improves the liquid separation of overhead from a distillation tower. A mixture including hydrogen iodide water acetic acid and methyl acetate is distilled in a first distillation tower (3); the overhead and a side cut stream or bottom product stream including acetic acid are separated from this mixture; the overhead is cooled in a condenser (C3) and condensed; the condensed liquid is separated into an upper phase and a lower phase by a decanter (4); and acetic acid is produced. In this method a mixture having a water concentration of at least an effective amount and no more than 5 wt% (e.g. 0.5 4.5 wt%) and a methyl acetate concentration of 0.5 9 wt% (e.g. 0.5 8 wt%) is supplied to the distillation tower and distilled. As a result a region having a high water concentration is formed inside the distillation tower at a position higher than the supply position for the mixture hydrogen iodide and methyl acetate are reacted in this high water concentration area and methyl iodide and acetic acid are generated.

No. of Pages: 82 No. of Claims: 15

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: METHOD FOR PRODUCING FUEL OIL BASE

:C12P7/64,C10G3/00,C10L1/04 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)JX NIPPON OIL & ENERGY CORPORATION :2012018994 (32) Priority Date :31/01/2012 Address of Applicant: 6 3 Otemachi 2 chome Chiyoda ku (33) Name of priority country :Japan Tokyo 1008162 Japan (72)Name of Inventor: (86) International Application No :PCT/JP2013/051772 Filing Date :28/01/2013 1)AOKI Nobuo (87) International Publication No: WO 2013/115137 2)MATSUDA Hitoshi (61) Patent of Addition to 3)KATO Hiroaki :NA **Application Number** 4)YONEDA Akira :NA Filing Date 5)ARASHIDA Ryo (62) Divisional to Application 6)MARUKAWA Yuka :NA Number :NA Filing Date

#### (57) Abstract:

A method for producing a fuel oil base provided with: a first step for aerobically culturing microalgae Euglena under nitrogen deficient conditions; a second step for adding a nutrient source to a solution to be treated the solution containing the microalgae Euglena cultured in the first step and then setting the dissolved oxygen concentration of the solution to be treated at 0.03 mg/L or lower conducting anaerobic fermentation of the microalgae Euglena and obtaining a wax ester; and a third step for hydrogenating stock oil containing the wax ester and obtaining a fuel oil base.

No. of Pages: 73 No. of Claims: 13

(22) Date of filing of Application :28/02/2014

(43) Publication Date: 12/06/2015

# (54) Title of the invention : INSTRUMENT ASSEMBLY FOR IMPLANTING A STEM COMPONENT OF A KNEE PROSTHESIS AND ORTHOPAEDIC SURGICAL PROCEDURE FOR 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>	A61B17/56 :13/793,072	(71)Name of Applicant: 1)DEPUY (IRELAND) Address of Applicant:LOUGHBEG INDUSTRIAL ESTATE, RINGASKIDDY, CO CORK, IRELAND (72)Name of Inventor:
(86) International Application No	:NA	1)LISA M. MAJOR
Filing Date	:NA	2)REBECCA L. CHANEY
(87) International Publication No	: NA	3)PATRICK J. CANNON
(61) Patent of Addition to Application Number	:NA	4)BENJAMIN J. SORDELET
Filing Date	:NA	5)JONATHAN C. LEE
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

⁽⁵⁷⁾ Abstract:

Surgical instruments for use in implanting a stem component into a knee of a patient include a canal reamer and an associated implant reference guide.

No. of Pages: 46 No. of Claims: 20

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SLEWING BEARING AND ROTATION SECTION SUPPORT DEVICE FOR 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>	:F16C 33/372 :2009-174261 :27/07/2009 :Japan :PCT/JP2010/062165 :20/07/2010 :WO 2011/013536 :NA :NA :NA	(71)Name of Applicant:  1)NTN CORPORATION Address of Applicant:3-17, KYOMACHIBORI 1-CHOME, NISHI-KU, OSAKA-SHI, OSAKA 550-0003, JAPAN (72)Name of Inventor: 1)HORI, MICHIO 2)KUWAHARA, NURUMU
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#### (57) Abstract:

A slewing bearing assembly effective to suppress additional expenses such as a mold cost and to resolve the problem associated with insufficient strength brought about by voids and, also, a rotation section support apparatus for a wind powered turbine are provided. The slewing bearing assembly includes inner and outer rings having raceway grooves, and a plurality of balls interposed between the raceway grooves, and a spacer interposed between the neighboring balls. This slewing bearing assembly is a four point contact ball bearing, in which respective sectional shapes of the raceway grooves are so shaped as to represent shapes in which each balls contacts inner surfaces of the raceway grooves in the inner and outer rings at four points. The spacer is made of a resinous material having a melt viscosity within the range of 1000 to 2000 Pa s at a temperature of 270°C.

No. of Pages: 28 No. of Claims: 8

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : LIQUID PREPARATION FOR THE REDUCTION OF FREE OXYGEN AND THE PRESERVATION OF 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 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>	:C02F1/70,C23F11/14 :10 2012 203 003.4 :28/02/2012 :Germany :PCT/EP2013/051580 :28/01/2013 :WO 2013/127584 :NA :NA	(71)Name of Applicant:  1)LAIR LIQUIDE SOCIETE ANONYME POUR LETUDE ET LEXPLOITATION DES PROCEDES GEORGES CLAUDE  Address of Applicant: 75 Quai dOrsay F 75007 Paris France (72)Name of Inventor:  1)GRADTKE Ralf 2)BEILFUSS Wolfgang 3)KNOPF Jennifer 4)STREEK Michael
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#### (57) Abstract:

The invention relates to a preparation which comprises a) at least one N formal and b) at least one dialkylhydroxylamine. The preparation is preferably formulated as a concentrate. The invention further relates to the use of the preparation (in particular in the form of the concentrate) for the reduction of free oxygen and the preservation of water and also correspondingly additivated water. The mixture of N formals with dialkylhydroxylamine is not only outstandingly compatible but considerably improves the activity of dialkylhydroxylamines as oxygen scavengers.

No. of Pages: 34 No. of Claims: 14

(21) Application No.6538/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/08/2014 (43) Publication Date: 12/06/2015

# (54) Title of the invention: GEAR ASSEMBLY AND USE IN CYLINDER LOCK

(51) International

:E05B47/00,E05B47/06,E05B17/04 classification

(31) Priority Document No :218105 (32) Priority Date :14/02/2012 (33) Name of priority country: Israel

(86) International Application :PCT/US2013/024837

:06/02/2013

Filing Date

(87) International Publication

:WO 2013/130223

(61) Patent of Addition to **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number :NA

(71)Name of Applicant:

1)MUL T LOCK TECHNOLOGIES LTD.

Address of Applicant :PO Box 637 81104 Yavne Israel

(72) Name of Inventor: 1)NAROVLANSKY Boris

2)LEVY Yair

# (57) Abstract:

Filing Date

An assembly including a cylinder lock including a rotatable member for actuating an external locking element and a reduction gear disposed inside the cylinder lock the reduction gear mechanically linked to the rotatable member and operable to rotate the rotatable member the reduction gear including an interface member for connection to an actuator for movement of the reduction gear.

No. of Pages: 17 No. of Claims: 20

(21) Application No.6539/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/08/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: SET ACCELERATING ADMIXTURE HAVING IMPROVED STABILITY

(51) International :C04B24/00,C04B24/12,C04B24/16 classification

(31) Priority Document No :12 51096

(32) Priority Date :06/02/2012 (33) Name of priority country: France

(86) International Application :PCT/EP2013/052321

No :06/02/2013

Filing Date (87) International Publication :WO 2013/117586

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)CHRYSO

Address of Applicant :19 Place de la Rsistance F 92440 Issy

les Moulineaux France (72) Name of Inventor: 1)PELLERIN Bruno 2)BABAYAN David

3) RUDOLPH Frdric

(57) Abstract:

The present invention mainly relates to an accelerating admixture for hydraulic compositions including in an aqueous solution: the product of the reaction of an alkanolamine with a concentrated strong acid; sulfate anions; and alkali or alkaline earth cations having a pH between 5 and 12. The invention further relates to a method for preparing same as well as to a method for preparing hydraulic compositions including the step of adding such an admixture to the hydraulic binder before during or after grinding.

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

(21) Application No.6540/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/08/2014

(43) Publication Date: 12/06/2015

# (54) Title of the invention : NET IN PARTICULAR FOR PROTECTION SAFETY WATER REARING OR ARCHITECTURAL PURPOSES AND AN APPARTUS FOR PRODUCING THE NET

<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>	:E01F7/04,A01K61/00,B21F27/04 :248/12 :24/02/2012 :Switzerland	(71)Name of Applicant:  1)GEOBRUGG AG  Address of Applicant: Aachstrasse 11 CH 8590 Romanshorn Switzerland
(86) International Application No Filing Date (87) International Publication	:PCT/EP2013/000518 :22/02/2013	(72)Name of Inventor : 1)WARTMANN Stephan
No (61) Patent of Addition to	:WO 2013/124070 :NA	
Application Number Filing Date (62) Divisional to Application	:NA	
Number Filing Date	:NA :NA	

#### (57) Abstract:

A net in particular for protection safety water rearing or architectural purposes is braided together from individual helically curved longitudinal elements (3) to form a braided structure. Individual longitudinal elements (3) curved into a cylinder or screw shape are twisted one inside the other with adjacent ones and compressed such that the braided structure is in more or less planar sheet like form and the longitudinal elements (3) here each form more or less rectilinear limbs (8a 8b; 9a 9b) and curves (10a 10b; 11a 11b) therebetween. The curves (10a 10b; 11a 11b) between elongate limbs (8a 8b; 9a 9b) are inflected in kink form. This gives a net design with unexpectedly high strength values.

No. of Pages: 16 No. of Claims: 12

(22) Date of filing of Application: 19/01/2012 (43) Publication Date: 12/06/2015

## (54) Title of the invention: METHOD OF ROLLING FEED PRODUCTS INTO DIFFERENT SIZED FINISHED 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B21B 1/18 :12/548,686 :27/08/2009 :U.S.A. :PCT/US2010/046748 :26/08/2010 :WO 2011/031514 :NA :NA	(71)Name of Applicant:  1)SIEMENS INDUSTRY, INC. Address of Applicant: 3333 OLD MILTON PARKWAY, ALPHAREETTA, GEORGIA 30005-4437, U.S.A. (72)Name of Inventor: 1)T. MICHAEL SHORE
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#### (57) Abstract:

A feed product is rolled into different sized finished products in a rolling mill finishing section which comprises a plurality of modular rolling units arranged along the mill pass line. Each rolling unit includes two roll stands with work rolls configured to define successive oval and round roll passes. The roll stands are designed to effect specific area reductions on products rolled through their respective oval and round roll passes. Feed products having the same entry size are rolled into finished products having different reduced sizes by providing altered rolling sequences in which a selected rolling unit is replaced along the pass line with rolling units having roll stands designed to effect area reductions that differ from those of the roll stands of the replaced rolling unit. Rolling units downstream from the replaced rolling unit are removed from the pass line. The roll stands of rolling units upstream from the replaced rolling unit remain unchanged.

No. of Pages: 17 No. of Claims: 5

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

## (54) Title of the invention: ADJUSTING CHANNEL QUALITY REPORT IN A WIRELESS 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04L 1/20 :NA :NA :NA :PCT/EP2009/058244 :01/07/2009 :WO 2011/000420 :NA :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) Address of Applicant: SE-164 83 STOCKHOLM (SE) Sweden (72)Name of Inventor: 1)BRANNSTROM, NILS 2)CRAIG, STEPHEN 3)JONSSON, ANDERS 4)LARSSON, KJELL 5)OKVIST, PETER
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#### (57) Abstract:

The present invention relates to a method and an arrangement in a first communication node (115) for adjusting a channel quality report transmitted between the first communication node (115) and a second communication node (105). The first communication node (115) and the second communication node (105) are comprised in a wireless communication network (100), and are adapted to communicate with each other via a radio link (1 10). In a first step, a channel quality report is received (600) from the second communication node (105). The channel quality report is established by the second communication node (105). Then at least one channel characteristic parameter is obtained (601). The next step is to determine a channel quality offset based on the obtained channel characteristic parameter. Based on the channel quality offset, the channel quality report is adjusted (605).

No. of Pages: 33 No. of Claims: 16

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: DROP PLACEMENT ERROR REDUCTION IN ELECTROSTATIC PRINTER

<ul> <li>(51) International classification</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>	:14/03/2013 :WO 2013/142233 :NA :NA :NA	(71)Name of Applicant: 1)EASTMAN KODAK COMPANY Address of Applicant: 343 State Street Rochester NY 14650 2201 U.S.A. (72)Name of Inventor: 1)MARCUS Michael Alan 2)PANCHAWAGH Hrishikesh V. 3)ADIGA Shashishekar P. 4)NG Kam Chuen
9	:NA :NA	

#### (57) Abstract:

A group timing delay device shifts the timing of drop formation waveforms supplied to drop formation devices of one of first and second nozzle groups so that print drops from the nozzle groups are not aligned relative to each other along a nozzle array direction. A charging device includes a common charge electrode associated with liquid jets from the nozzle groups and a source of varying electrical potential between the charge electrode and liquid jets which provides a charging waveform that is independent of a print and non print drop pattern. The charging device is synchronized with the drop formation devices and the group timing delay device to produce a print drop charge state on print drops of a drop pair a first non print drop charge state on non print drops of the drop pair and a second non print drop charge state on third drops.

No. of Pages: 96 No. of Claims: 21

(21) Application No.6549/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHOD FOR PROCESSING PLANT REMAINS

(51) International classification	:A23G1/00,A23L1/308,A23L2/52	(71)Name of Applicant:
(31) Priority Document No	:12153570.2	1)BHLER BARTH GMBH
(32) Priority Date	:02/02/2012	Address of Applicant :Daimlerstr. 6 71691 Freiberg Germany
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No Filing Date	:PCT/EP2013/052137 :04/02/2013	1)LOHMLLER Tobias
(87) International Publication No	:WO 2013/113922	
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention relates to a method and to a system for processing plant remains in particular shells of seeds and nuts even more in particular shells of cocoa beans shells of grain seeds and rice remains. The method comprises the following steps: (i) providing plant remains having a shell portion of at least 20 wt%; and (ii) at least partially hydrolyzing constituents of the plant remains in particular at least partially hydrolyzing and/or fermenting a carbohydrate a fat and/or a protein. A liquid phase having dissolved constituents and a solid phase can subsequently be separated. The solid portion can be used as dietary fiber and the liquid phase can be used as feed for a biogas plant.

No. of Pages: 25 No. of Claims: 18

(21) Application No.6550/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: NOVEL PHOTOPROTECTIVE SYSTEM

(51) International classification	:A61K8/49,A61Q17/04	(71)Name of Applicant :
(31) Priority Document No	:1250872	1)PIERRE FABRE DERMO COSMETIQUE
(32) Priority Date	:31/01/2012	Address of Applicant :45 place Abel Gance F 92100 Boulogne
(33) Name of priority country	:France	Billancourt France
(86) International Application No	:PCT/EP2013/051776	(72)Name of Inventor:
Filing Date	:30/01/2013	1)PERIER Valrie
(87) International Publication No	:WO 2013/113745	2)DROMIGNY HI"ne
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention concerns a topical cosmetic or pharmaceutical preparation containing a combination of 3 or 4 solar filters comprising: one or two UVA filters to obtain a critical wavelength > 370 nm chosen from among: (i) 5 6 5 6 tetraphenyl 3 3 (1 4 phenylene) bis[1 2 4]triazine; (ii) 1 1 (1 4 piperazinediyl)bis[1 [2 [4 (diethylamino) 2 hydroxybenzoyl]phenyl] methanone; (iii) Butyl Methoxydibenzoylmethane (BMDBM) in a quantity less than 2% by weight with regard to the total weight of said composition; (iv) Hexyl [4 (diethylamino) 2 hydroxybenzoyl]benzoate 2 4 Bis[4 (2 ethylhexyloxy) 2 hydroxyphenyl] 6 (4 methoxyphenyl) 1 3 5 triazine = (BEMT) one or two filters chosen from among UVB filters except octocrylene PABA and ethylhexyl methoxycinnamate said composition also containing a pharmaceutically or cosmetically acceptable excipient.

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

(21) Application No.6552/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: 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></ul>	:G08G1/16,B60R1/00,B60R21/00 :NA :NA :NA	(71)Name of Applicant:  1)TOYOTA JIDOSHA KABUSHIKI KAISHA Address of Applicant: 1 Toyota cho Toyota shi Aichi 4718571 Japan
(86) International Application No Filing Date (87) International Publication No	:PCT/JP2012/052641 :06/02/2012 :WO 2013/118247	(72)Name of Inventor: 1)SOBUE Yuka 2)OKAMURA Ryuji 3)YOSHIOKA Chika
<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	

#### (57) Abstract:

An object detection device is provided with an object detection unit (12) for detecting a moving object in the periphery of a vehicle (1) and a threshold value alteration unit (13) for altering a detection threshold value (T) for when a moving object is detected on the basis of movement information on the vehicle. This makes it possible to minimize false detection even under circumstances where false detection would be prone to occur by altering the detection threshold value (T) so that the moving object is less readily detected during movement in particular turning of the home vehicle (1). The detection threshold value (T) is preferably altered so that a greater velocity (V) or a greater steering angle (S) corresponds to the moving object being less readily detected. The detection threshold value (T) may be altered in a stepwise fashion or may be altered continuously on the basis of movement information on the vehicle.

No. of Pages: 48 No. of Claims: 12

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : ELECTROCHEMICAL BASED ANALYTICAL TEST STRIP WITH FILL SPEED CONFIGURED REAGENT LAYER

<ul> <li>(51) International classification</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>	:C12Q1/00 :13/367648 :07/02/2012 :U.S.A. :PCT/GB2013/050275 :06/02/2013 :WO 2013/117924 :NA :NA :NA	(71)Name of Applicant:  1)LIFESCAN SCOTLAND LIMITED Address of Applicant: Beechwood Park North Inverness IV2 3ED U.K. (72)Name of Inventor: 1)WHITEHEAD Neil 2)PHILLIPS Stuart 3)MORRIS David 4)MCILRATH Joanne 5)MACLEOD Robert 6)WHYTE Lynsey 7)CAMPBELL Karn 8)DARLING Ramsay 9)MCLAREN James 10)BAIN Russell
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#### (57) Abstract:

An electrochemical based analytical test strip (EBAT) for the determination of an analyte in a bodily fluid sample includes an electrically insulating substrate layer with a distal end and a patterned conductor layer that is disposed over the electrically insulating substrate layer and has a working electrode (WE) and a counter/reference electrode (C/RE). The EBAT also includes a patterned insulation layer with an electrode exposure window configured to expose a WE exposed portion and a C/RE exposed portion an enzymatic reagent layer; and a patterned spacer layer. In addition the patterned insulation layer and the patterned spacer layer define a sample receiving chamber with a sample receiving opening at the distal end of the electrically insulating substrate layer and that extends across the WE exposed portion and the C/RE exposed portion. Furthermore the enzymatic reagent layer is disposed over the working electrode and counter/reference electrode exposed portions and extends no more than 400 µm toward the sample receiving opening.

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

(21) Application No.6554/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A CHAIR AND A METHOD OF USING THE CHAIR

<ul> <li>(51) International classification</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>	:61/604816 :29/02/2012 :U.S.A. :PCT/US2013/027711 :26/02/2013 :WO 2013/130415 :NA :NA	(71)Name of Applicant: 1)KNOLL INC. Address of Applicant:1235 Water Street East Greenville Pennsylvania 18041 U.S.A. (72)Name of Inventor: 1)UDAGAWA Masamichi 2)MOESLINGER Sigrid 3)VAN HEKKEN Hendrik R.
Filing Date	:NA	

#### (57) Abstract:

A chair (1) includes a tablet (2) and a seat (4). The tablet (2) and seat (4) are configured such that a user may sit forwardly on the seat so that his or her arms may rest on the tablet (2) and a device or paper may be positioned on the tablet (2) such that the person may look at the device or paper. The tablet (2) and seat (4) are also arranged such that the person may sit rearwardly on the seat (4) so that the person s back rests on a bottom portion (2c) of the tablet.

No. of Pages: 26 No. of Claims: 20

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: COMPOUNDS AS HYPOXIA MIMETICS, AND COMPOSITIONS, 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07D 311/20 :2009100892 74.1 :15/07/2009 :China :PCT/CN2010/001057 :14/07/2010 :WO 2011/006355 :NA :NA :NA	(71)Name of Applicant:  1)ZHEJIANG BETA PHARMA INC. Address of Applicant: 589 HONGFENG RD., YUHANG, HANGZHOU, ZHEJIANG 311100, CHINA 2)XINSHAN KANG (72)Name of Inventor: 1)XINSHAN KANG 2)WEI LONG 3)CUNBO MA 4)YANPING WANG 5)HONG CAO 6)YINXIANG WANG 7)FENLAI TAN
		8)YUNYAN HU

# (57) Abstract:

This invention relates to new compounds that can serve as hypoxia mimetics. This invention also relates to methods of increasing HIF levels or activity in a subject or treating a condition associated with HIF levels or activity in a subject by administering to the subject at least one of these compounds

No. of Pages: 64 No. of Claims: 65

(22) Date of filing of Application :04/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHOD FOR STARTING UP AND OPERATING A COMBINED CYCLE 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</li> </ul>	:13158063.1 :06/03/2013 :EUROPEAN UNION :NA :NA : NA : NA	(71)Name of Applicant:  1)ALSTOM TECHNOLOGY LTD.  Address of Applicant:BROWN BOVERI STRASSE 7, 5400 BADEN, SWITZERLAND (72)Name of Inventor:  1)OLIA, HAMID  2)SCHLESIER, JAN 3)BREITFELD, MICHAEL 4)BRUNNER, PHILIPP 5)STEVENS, MARK 6)CAELISCH, MICHAEL
(62) Divisional to Application Number Filing Date	:NA :NA :NA	6)CAFLISCH, MICHAEL

#### (57) Abstract:

Method for starting-up a steam turbine (12) of a combined-cycle power plant (1), the combined-cycle power plant (1) comprising a gas turbine (2) and a steam power generation system (10) comprising a steam turbine (12), the combined cycle power plant (1) activating at least one electric generator (20) connectable to an electric grid (21), wherein the gas turbine (2) comprises a compressor (3), such that, during starting-up of the steam turbine (12), both the gas turbine (2) and the steam turbine (12) are in operation, the steam turbine (12) adjusting its load as a function of the load of the gas turbine (2) in such a way that the sum of the load provided by the gas turbine (2) and of the load provided by the steam turbine (12) is equal to the auxiliary power demand of the plant (1), the load exported to the grid (21) being equal to zero.

No. of Pages: 19 No. of Claims: 9

(21) Application No.596/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SURGICAL INSTRUMENT AND SYSTEM OF SURGICAL INSTRUMENTS

(51) International classification	:A61B 17/15	(71)Name of Applicant:
(31) Priority Document No	:0913674.8	1)DEPUY (IRELAND)
(32) Priority Date	:06/08/2009	Address of Applicant :LOUGHBEG, COUNTY CORK,
(33) Name of priority country	:U.K.	RINGASKIDDY, IRELAND
(86) International Application No	:PCT/GB2010/051279	(72)Name of Inventor:
Filing Date	:03/08/2010	1)DUNCAN YOUNG
(87) International Publication No	:WO 2011/015863	
(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, for example a cutting block for use in knee surgery, comprises a mounting surface defining at least one opening for receiving a mounting projection. The mounting surface further defines a blind recess which extends linearly from the at least one opening. The blind recess may extend to an edge of the mounting surface. A system including a surgical instrument and one or more mounting projections is also disclosed. The blind recess can be used as a track to guide a projection to an opening, increasing the area of the instrument that can be used to locate the projection in the correct position. The recess acts as a guide for the projection to enter the opening by providing tactile feedback to guide the projection towards the opening. If the recess also extends to the edge of the instrument, the recess may be visible more easily when the surgeon is installing the instrument providing visual as well as tactile feedback.

No. of Pages: 23 No. of Claims: 12

(22) Date of filing of Application :20/01/2012

(43) Publication Date: 12/06/2015

# (54) Title of the invention: METHOD TO IMPROVE THE SELECTIVITY OF POLYBENZOXAZOLE MEMBRANES

<ul> <li>(51) International classification</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>	:B01D 71/06 :12/566,834 :25/09/2009 :U.S.A. :PCT/US2010/045964 :19/08/2010 :WO 2011/037706 :NA :NA	(71)Name of Applicant: 1)UOP LLC Address of Applicant:25 EAST ALGONQUIN ROAD, P.O. BOX 5017, DES PLAINES, ILLINOIS 60017-5017, U.S.A. (72)Name of Inventor: 1)LIU, CHUNQING 2)MINKOV, RAISA 3)TANG, MAN-WING 4)ZHOU, LUBO 5)BRICKER, JEFFERY
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#### (57) Abstract:

The present invention discloses a novel method to improve the selectivities of polybenzoxazole (PBO) membranes prepared from aromatic polyimide membranes for gas, vapor, and liquid separations. The PBO membranes that were prepared by thermal treating aromatic polyimide membranes containing between 0.05 and 20 wt-% of a poly(styrene sulfonic acid) polymer. These polymers showed up to 95% improvement in selectivity for C02/CH4 and H2/CH4 separations compared to PBO membranes prepared from corresponding aromatic polyimide membranes without a poly(styrene sulfonic acid) polymer.

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

(21) Application No.711/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :12/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: REEL WITH STEPPED 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 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>	:E02F3/30 :61/779,221 :13/03/2013 :U.S.A. :NA :NA :NA :NA :NA :NA :NA	· · · · · · · · · · · · · · · · · · ·
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#### (57) Abstract:

A reel system includes a reel having a rotational axis, the reel including a plurality of ledges spaced radially from the rotational axis, the ledges defining a stepped configuration along an interior surface of the reel. The reel system also includes a first clamp having a first width and a second clamp having a second width greater than the first width, wherein the first clamp and the second clamp engage the plurality of ledges as the reel is rotated.

No. of Pages: 17 No. of Claims: 20

(21) Application No.6516/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : IMPROVED DNA POLYMERASE ACTIVITY ASSAYS AND METHODS ENABLING DETECTION OF VIABLE MICROBES

<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></ul>	:C12Q1/68,C12Q1/70,G01N33/50 :61/583568 :05/01/2012 :U.S.A. :PCT/US2013/020180 :03/01/2013 :WO 2013/103744 :NA :NA	(71)Name of Applicant:  1)ZEUS SCIENTIFIC INC. Address of Applicant: P.O.Box 38 Raritan NJ 08869 0038 U.S.A. (72)Name of Inventor: 1)OHARA Shawn Mark 2)SWEITZIG Daniel
Number Filing Date	:NA	

#### (57) Abstract:

A method for performing a diagnostic assay for the detection of the presence or amount of a microorganism within a sample matrix containing active DNA polymerase is disclosed. The method utilizes the measurement of DNA polymerase extension activity wherein the assay comprises the steps of incubating DNA polymerase in the sample matrix with a selected suitable substrate and performing PCR cycling and detection via the use of a selected suitable nucleic acid probe thereby to detect endogenous DNA polymerase extension activity in the sample matrix as an indication of the presence or amount of said microorganism.

No. of Pages: 30 No. of Claims: 10

(21) Application No.6517/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/08/2014

(43) Publication Date: 12/06/2015

## (54) Title of the invention: TYRE RETREADING SYSTEM CONSTITUTED BY A ROBOTIZED ARM WITH ANGULAR INTERPOLATION MOVEMENTS

(51) International :B24B5/36,B29D30/54,B29D30/58 classification

(31) Priority Document No :BR 10 2012 006723 4

:26/03/2012 (32) Priority Date

(33) Name of priority country :Brazil

(86) International Application

No

:PCT/BR2013/000070 :08/03/2013

Filing Date

(87) International Publication

:WO 2013/142931

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)M-LLER Lucas

Address of Applicant :Rua Antunes Ribas 275 apto. 901 Bairro Morro do Espelho 93030250 S£o Leopoldo RS Brazil

(72)Name of Inventor:

1)M-LLER Lucas

### (57) Abstract:

Tyre retreading system constituted by a robotized arm with angular interpolation movements with the aim of providing a modular machine capable of allowing greater amplitude of movements on the part of the scraping tool (5) and/or rubber applying tool (11) which is installed at the end of a robotized arm (1) controlled via a control panel and provided with at least three articulations (2 3 4); the tools (5 11) act on a tyre (7) supported by a mandrel system (6 10).

No. of Pages: 17 No. of Claims: 9

(21) Application No.6518/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: SYSTEM FOR CONTROLLING ENVIRONMENT IN A REACTION BOX

(51) International classification: B01L3/04,B25J21/00,G21F7/015 (71) Name of Applicant: :12500054 1)BENCAR AB (31) Priority Document No (32) Priority Date :05/01/2012 Address of Applicant : Uppsala Science Park Dag (33) Name of priority country Hammarskilds Vg 34B S 751 83 Uppsala Sweden :Sweden (72)Name of Inventor: (86) International Application :PCT/SE2012/051425 No 1)L...NGSTR-M Bengt :19/12/2012 Filing Date 2)SJ-BERG Carl Olof (87) International Publication :WO 2013/103312 (61) Patent of Addition to :NA **Application Number** :NA Filing Date

### (57) Abstract:

Filing Date

Number

(62) Divisional to Application

:NA

:NA

A system (100) for controlling the environment in a reaction box (300) comprises a controller (150) configured to control a gas multiplexer (130) to switch between applying an under pressure in the reaction box (300) from a vacuum pump (140) and applying a gas flow from a connected gas source (200) to the reaction box (300) multiple times in a cyclic manner. A particle monitor (160) generates particle information representing a concentration of particles in the reaction box (300). This particle information is stored as a GMP clean room classification notification for the reaction box (300).

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

(21) Application No.6519/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/08/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: METHOD AND MOULD SYSTEM FOR NET MOULDING OF A CO CURED INTEGRATED **STRUCTURE**

(51) International classification:B64C1/12,B29C70/34,B29D99/00 (71)Name of Applicant: (31) Priority Document No :NA 1)SAAB AB

(32) Priority Date :NA (33) Name of priority country :NA

(86) International Application :PCT/SE2012/050179

:17/02/2012 Filing Date

(87) International Publication

:WO 2013/122524

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

Address of Applicant :S 581 88 Linkping Sweden

(72)Name of Inventor: 1)JOHANSSON Peter 2)SCHULTZ Sverker

(57) Abstract:

The present invention relates to a mould system and a method for net moulding of a co cured integrated structure (1) comprising a skin (26) provided with stringers(4) and rib feet (2) and with a gap (6) between the stringers (4) and the rib feet (4). The mould system comprises a substantially rectangular frame (12) made of a low heat expanding material a number of substantially rectangular boxes (8) made of a heat expanding material connection plates (16) made of a heat expanding material and fastening means (14). By means of the connection plates (16) the gap (6) is obtained. A moulding assembly (64) is created by applying prepregs to the surfaces of the boxes(8) by connecting the boxes (8) to each other and by surrounding the connected boxes (8) with the frame (12). The moulding assembly (64) is treated in a conventional way in an autoclave in order to cure the structure (1). Thereafter the frame (12) the boxes (8) and the connection plates (16) are removed.

No. of Pages: 36 No. of Claims: 9

(21) Application No.771/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :16/03/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SAWANSHAHI MASTANI MAUJ INSTRUMENT

(51) International classification (31) Priority Document No	:F16H57/00 :NA	(71)Name of Applicant: 1)DEVRAJ MEENA
(32) Priority Date	:NA	Address of Applicant :NEAR RAILWAY REST HOUSE,
(33) Name of priority country	:NA	KAILASH NAGAR, SIKAR Rajasthan India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DEVRAJ MEENA
(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:

I invent that a single electric motor has given the power for running another same capacity motor without loading any electric load itself. Then after chain intermingled with another same capacity electric motor in samanantar (Hindi word) way and then after we can say that the distribution of this electricity is  $\infty$ . We can say shortly that a single electric motor can distribute lighting/energy/power of electricity to not only India but also whole world. So that this invention may be/should be great invention in history of science in of whole world.

No. of Pages: 8 No. of Claims: 2

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: NEAR INFRARED (NIR) OPTICAL SCANNER

(51) International classification (31) Priority Document No	:A61B5/06 :61/583730	(71)Name of Applicant: 1)THE FLORIDA INTERNATIONAL UNIVERSITY
(32) Priority Date	:06/01/2012	BOARD OF TRUSTEES
(33) Name of priority country	:U.S.A.	Address of Applicant :University Park PC511 Miami FL
(86) International Application No	:PCT/US2013/020461	33199 U.S.A.
Filing Date	:07/01/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2013/103935	1)GODAVARTY Anuradha
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	2)JUNG Youngjin 3)GONZALEZ Jean
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A method apparatus and system acquire data to create a 3D mesh representing a 3D object. The method apparatus and system acquire image data of the 3D object using an imaging probe that includes illumination and detection capability. A light source operates to illuminate the 3D object for reflection and/or trans illumination imaging and a detection assembly receives image reflection and/or trans illumination image data collected by the detection assembly are co registered with a previously acquired 3D mesh using data from a tracking system monitoring the position of the probe displayed in real time and optionally saved.

No. of Pages: 54 No. of Claims: 31

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: METHODS AND APPARATUS FOR HIGH PERFORMANCE DESIGN OF A PROJECT

<ul> <li>(51) International classification</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>	:G06Q10/06 :13/345349 :06/01/2012 :U.S.A. :PCT/US2012/067760 :04/12/2012 :WO 2013/103463 :NA :NA :NA	(71)Name of Applicant:  1)SKIDMORE OWINGS & MERRILL LLP Address of Applicant:14 Wall Street New York NY 10005 U.S.A. (72)Name of Inventor: 1)PEREZ RODRIGUEZ Doris S. 2)MCCARTHY Jeffrey J. 3)KRICKIS Normunds
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### (57) Abstract:

Method apparatus and program for high performance design of a project. A goal of the project to meet at least one sustainability criterion is first received. A design strategy is then associated with the goal of the project in accordance with the at least one sustainability criterion. The design strategy is created based on a common design approach. A design task is further associated with the design strategy at each phase of the project in accordance with the at least one sustainability criterion lire design task is created to implement the design strategy A goal metric for the at least one sustainability criterion at. each phase of the project is then dynamically calculated based on information of the project from a database. Eventually progress of meeting the at least one sustainability criterion is dynamically updated based on the calculated goal metric.

No. of Pages: 34 No. of Claims: 21

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHOD TO PROPAGATE A MESSAGE IN A REA TIME INTEREST BASED SOCIAL 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>(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>	:G06f :61802160 :15/03/2013 :U.S.A. :NA :NA :NA	(71)Name of Applicant:  1)SIVA PRAKASA REDDY PAPPULA Address of Applicant: 48988, MANNA GRASSE, TER FREMONT, CA 94539, U.S.A. (72)Name of Inventor: 1)SIVA PRAKASA REDDY PAPPULA
(62) Divisional to Application Number	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A method to establish a social group in real time is provided. The method comprises collection of a users interest information through a software application provided on the users computing device. The method fiirther matches the users interest query with interest information of other users kept in the main system server. The system server then identifies various users having common interest information as that of the user and creates a social group of such users.

No. of Pages: 50 No. of Claims: 6

(21) Application No.777/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : ELECTRICALLY DRIVEN VEHICLE INCLUDING A HUMIDITY-CONTROLLED ASSEMBLY FOR POWERING OR CONTROLLING AN ELECTRICAL DEVICE OF THE VEHICLE, AND CORRESPONDING METHOD

(32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (86) Divisional to Application Number Filing Date (87) International Publication Number Filing Date (88) International Publication Number Filing Date (89) Divisional to Application Number Filing Date (80) Divisional to Application Number Filing Date (81) Address of Applicant : 3, Avenue Andre Malraux, 92300  Levallois-Perret, France (72) Name of Inventor:  1) LEMPEGNAT, Cdric 2) QUENTIN, Nicolas  1) Levallois-Perret, France (72) Name of Inventor:  1) LEMPEGNAT, Cdric 2) QUENTIN, Nicolas	<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> </ul>	:13 52606 :22/03/2013 :France :NA :NA : NA :NA :NA	Levallois-Perret, France (72)Name of Inventor: 1)LEMPEGNAT, Cdric
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### (57) Abstract:

The invention relates to an electrically driven vehicle (1), in particular a rail vehicle, including at least one electrical device (9) and an assembly (11) comprising: - a plurality of high-voltage electrical apparatuses (17) for powering or controlling the electrical device (9), and - an enclosure (15) that is not hermetic with respect to the ambient air (25), the enclosure containing the electrical apparatuses and defining an inner volume (21) filled with inner air, the vehicle being characterized in that the assembly (11) further includes a dehumidifying device (19) capable of producing a flow of air (33) that is less humid than the ambient air, the flow of air emerging in the inner volume. The invention also relates to the corresponding method.

No. of Pages: 14 No. of Claims: 10

(21) Application No.793/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :18/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : PROCESS FOR THE SYNTHESIS OF 7,8-DIMETHOXY-1,3-DIHYDRO-2H-3-BENZAZEPIN-2-ONE COMPOUNDS, AND APPLICATION IN THE SYNTHESIS OF IVABRADINE

### (57) Abstract:

Process for the synthesis of the compound of formula (I):wherein R represents a para-mnethoxybenzyl (PMB) group or the following group:Application in the synthesis of ivabradine and addition salts thereof with a pharmaceutically acceptable acid.

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

(21) Application No.5927/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/07/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: BENDABLE DISPLAY DEVICE AND DISPLAYING METHOD THEREOF

:C09F9/00,G09F7/00,G09G3/00 (71)Name of Applicant : (51) International classification

(31) Priority Document No :1020110136596 (32) Priority Date :16/12/2011

(33) Name of priority country :Republic of Korea (86) International Application No :PCT/KR2012/010576

Filing Date :06/12/2012 (87) International Publication No: WO 2013/089392

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)SAMSUNG ELECTRONICS CO. LTD.

Address of Applicant: 129 Samsung ro Yeongtong gu Suwon

si Gyeonggi do 443 742 Republic of Korea

(72)Name of Inventor: 1)SEO Joon kyu

2)KANG Kyung a 3)KWAK Ji yeon 4)KIM Hyun jin

#### (57) Abstract:

A bendable display method and device are provided. The bendable display device includes a display unit including a display screen a sensing unit that senses a user manipulation and a control unit that modifies a display of the display screen according to the user manipulation sensed by the sensing unit. The display device is bendable under external pressure into a rolled state in which the display screen of the display unit forms an outer wall and the display unit displays the display on the display screen in the rolled state.

No. of Pages: 25 No. of Claims: 15

(22) Date of filing of Application :20/01/2012

(43) Publication Date: 12/06/2015

# (54) Title of the invention : ALPHABET INPUT DEVICE OF MOBILE COMMUNICATION TERMINAL AND INPUT METHOD THEREOF

(51) International classification	:H04M 1/22	(71)Name of Applicant :
(31) Priority Document No	:10-2009-0067255	1)YOON, KI-SUP
(32) Priority Date	:23/07/2009	Address of Applicant :103-501, ANAM APT,
(33) Name of priority country	:Republic of Korea	MYEONGNUNDONG 2-GA, 4, JONGNO-GU SEOUL 110-522
(86) International Application No	:PCT/KR2010/004641	Republic of Korea
Filing Date	:16/07/2010	(72)Name of Inventor:
(87) International Publication No	:WO 2011/010835	1)YOON, KI-SUP
(61) Patent of Addition to Application	NIA	
Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) 11		·

#### (57) Abstract:

According to the present invention, an alphabet input device of a mobile communication comprises a keypad input including a plurality of keys for inputting alphabets; a display for displaying alphabets inputted by said keypad input; an alphabet combiner for reading the alphabet corresponding to the input of the keypad input from pre-stored database and providing the display with said alphabet from said database; and, a controller coupled to said keypad input, said display and said alphabet combiner so as to control thereof, wherein said keypad input has a 3x4 matrix which includes numeric keys distinguished by the numbers '0' to '9' and function keys distinguished by the characters " and '#', and said numeric keys for '1' to '9' are assigned with a plurality of alphabet buttons for inputting alphabets, wherein said numeric key for '0' is assigned with a space button for inputting a blank, wherein one of said function keys for " and '#' is assigned with a last button for successive inputting of the alphabet and a special character button for inputting a special character, wherein the other of said function keys that does not assigned with said last button and said special character button is assigned with a shift button, which performs a function of character input mode-setting and word-shifting for setting a character input mode so as to allow inputting of the capital/small letter of alphabet and for shifting characters inputted beforehand one at a time.

No. of Pages: 48 No. of Claims: 16

(21) Application No.626/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/01/2012

(43) Publication Date: 12/06/2015

# (54) Title of the invention : DEACTIVATION DEVICE FOR SEPARATING AN ELECTRICAL ENERGY SOURCE FROM A LOAD AND CIRCUIT SYSTEM HAVING A DEACTIVATION DEVICE

(51) International classification :H02J 7/00 (31) Priority Document No :10 2009 045 244.3 (32) Priority Date :01/10/2009 (33) Name of priority country :Germany (86) International Application No Filing Date :18/08/2010 (87) International Publication No :WO 2011/038987 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA

:NA

(71)Name of Applicant:
1)ROBERT BOSCH GmbH

Address of Applicant :POSTFACH 30 02 20, 70442

:Germany :PCT/EP2010/062012 :18/08/2010 STUTTGART, Germany (72)**Name of Inventor :** 1)**BUTZMANN, STEFAN** 

#### (57) Abstract:

Filing Date

The present subject matter relates to a deactivation device (I, 1') for separating an electrical energy source (2) from a load (3) having at least two one-time switches (4), wherein the one-time switches (4) become non-functional upon switching upon the presence of a load exceeding a critical load separating an electrical connection. The one-time switches (4) are connected in parallel and the deactivation device (1,1') is configured such that except for one of the one-time switches (4) that separates the electrical energy source (2) from the load (3) and connects the electrical energy source (2) to the load (3). The at least one other one-time switch (4) remains open and in case of a lack of functionality of the one one-time switch (4), the at least one other one-time switch (4) is used to separate the electrical energy source (2) from the load (3) and to connect the electrical energy source (2) to the load (3).

No. of Pages: 9 No. of Claims: 7

(22) Date of filing of Application :19/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: INJECTION MOLDING NOZZLE WITH TWO-PART MATERIAL PIPE

(51) International classification	:B29C	(71)Name of Applicant:
(51) International classification	:DE 10	1)GNTHER HEISSKANALTECHNIK GMBH
(31) Priority Document No	2013 102	Address of Applicant :SACHSENBERGER STRAE 1, 35066
	925.6	FRANKENBERG, Germany
(32) Priority Date	:21/03/2013	(72)Name of Inventor:
(33) Name of priority country	:Germany	1)GNTHER, HERBERT
(86) International Application No	:NA	2)SOMMER, SIEGRID
Filing Date	:NA	3)SCHNELL, TORSTEN
(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 the object of the present invention to improve as to how heat is introduced into the tip of an injection molding nozzle. To this end, the invention provides an injection molding nozzle comprising a material pipe that forms a flow channel with an inlet opening and an outlet opening, as well as a heating device that is thermally coupled to the material pipe, and the material pipe includes two pipe sections that are connected to each other at a coupling location, and wherein the inlet opening is disposed on the first pipe section and the outlet opening is disposed on the second pipe section, and wherein the second pipe section is made of a material of higher thermal conductivity than the first pipe section.

No. of Pages: 23 No. of Claims: 16

(22) Date of filing of Application :21/02/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: SPINNING UNIT FOR THE PRODUCTION OF A YARN

(51) International classification	:d01h	(71)Name of Applicant:
(31) Priority Document No	:10 2012 11 988.9	1)MASCHINENFABRIK RIETER AG Address of Applicant :KLOSTERSTRASSE 20, 8406
(32) Priority Date	:28/02/2013	WINTERTHUR, SWITZERLAND
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)GERNOT SCHAFFLER
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 spinning unit of the air-jet spinning machine, which serves the purpose of producing a yarn (2) from a fiber composite (3), whereas the spinning unit (1) possesses a spinning nozzle (4) with a vortex chamber (6) featuring an inlet opening (5) for the fiber composite (3), whereas the spinning unit (1) features air jets (21) directed into the vortex chamber (6), which flow into the vortex chamber (6) in the area of a wall (7) surrounding the vortex chamber (6) and through which air jets, during operation of the spinning unit (1), compressed air can be introduced into the vortex chamber (6) in a given direction of rotation, in order to confer upon the fiber composite (3) a rotation in the specified direction of rotation, and whereas the air jets (21) are connected to a source of compressed air (9) with the assistance of at least one fluid connection (8). In accordance with the invention, it is provided that the spinning unit (1) includes at least one replaceable throttle element (10), with the assistance of which the volume flow of the compressed air, which flows from the source of compressed air (9) into the vortex chamber (6) during the operation of the spinning unit (1), is limited, whereas the throttle element (10) is placed in the flow path of the compressed air between the source of compressed air (9) and the air jets (21).

No. of Pages: 23 No. of Claims: 13

(21) Application No.546/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: TAZAROTENE DERIVATIVES

(51) International classification	:A01N 43/06	(71)Name of Applicant:
(31) Priority Document No	:61/213,794	1)STIEFEL LABORATORIES, INC.
(32) Priority Date	:16/07/2009	Address of Applicant :20 TW ALEXANDER DR.
(33) Name of priority country	:U.S.A.	RESEARCH TRIANGLE PARK, NC 27709, U.S.A.
(86) International Application No	:PCT/US2010/042225	(72)Name of Inventor:
Filing Date	:16/07/2010	1)XUE GE
(87) International Publication No	:WO 2011/009023	2)HANSEN WONG
(61) Patent of Addition to Application	:NA	3)WENDY HUANG CHERN
Number	:NA	4)HANS HOFLAND
Filing Date	.1471	5)MICHAEL J. BISHOP
(62) Divisional to Application Number	:NA	6)XIN FRANK CAI
Filing Date	:NA	7)ALAN COLBORN

## (57) Abstract:

The presently described subject matter relates to new derivatives of tazarotene that also exhibit retinoid activity, pharmaceutical compositions comprising the derivatives, method of treating skin disorders with the pharmaceutical compositions, and process of making the derivatives.

No. of Pages: 93 No. of Claims: 19

(21) Application No.562/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHODS AND SYSTEM FOR MOBILE IP ROUTE OPTIMIZATION

<ul> <li>(51) International classification</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>	:28/06/2010 :WO 2011/001365 :NA :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) Address of Applicant: SE-164 83 STOCKHOLM (SE) Sweden (72)Name of Inventor: 1)HADDAD, WASSIM
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present application relates to network mobility (e.g., mobility in an IPv6 network). More specifically, the present application discloses systems and methods for enabling mobile nodes to switch to a routing optimization mode using a minimum of mobility messages.

No. of Pages: 43 No. of Claims: 18

(21) Application No.766/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : SURGICAL CONSTRUCTS WITH COLLAPSING SUTURE LOOP 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 Filing Date</li> </ul>	:A61B17/0401, A61B17/06166 :61/791,079 :15/03/2013 :U.S.A. :NA :NA :NA :NA	(71)Name of Applicant:  1)MEDOS INTERNATIONAL SRL Address of Applicant: Chemin-Blanc 38, 2400 Le Locle, SWITZERLAND (72)Name of Inventor:  1)MEHMET Z. SENGUN 2)HOWARD C. TANG 3)GREGORY R. WHITTAKER
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#### (57) Abstract:

Surgical constructs and methods are provided for securing soft tissue to bone. One exemplary embodiment of a construct is formed from a suture filament and includes two terminal ends of filament and an intermediate portion disposed along at least a portion of a length extending between the terminal ends. The construct can have a first terminal end that is the first terminal end of the filament, and a second terminal end that includes a loop. The loop can be formed by disposing the second terminal end of the filament within a volume of a portion of the intermediate portion of the filament. In some disclosed methods, both terminal ends of the filament can be passed through tissue when performing soft tissue repairs. Various other embodiments of constructs and methods are provided, including constructs having two or more filaments associated with an anchor and methods of using such constructs.

No. of Pages: 49 No. of Claims: 20

(21) Application No.80/DEL/2014 A

(19) INDIA

(22) Date of filing of Application: 10/01/2014 (43) Publication Date: 12/06/2015

# (54) Title of the invention: STATOR OF ROTATING ELECTRICAL MACHINE

(51) International classification	:H02K1/02	(71)Name of Applicant:
(31) Priority Document No	:2013- 026572	1)TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION
(32) Priority Date	:14/02/2013	Address of Applicant :13-16, MITA 3-CHOME, MINATO-
(33) Name of priority country	:Japan	KU, TOKYO 108-0073, JAPAN
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NAKAJI HIROTAKE
(87) International Publication No	: NA	2)TSUBOI YUICHI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (57) Abstract:

In a stator of a rotating electrical machine of an embodiment, a slot 6 is formed along an axial direction 5 on an inner peripheral surface of a cylindrical iron core 2, and, on both inner walls of an open groove section of the slot 6, an engagement groove 9 is formed, and, with both side sections engaging with an inside of the engagement groove 9, a wedge 9 is so provided as to cover 10 the open groove section of the slot 6, and the stator is subjected to a resin impregnation process. Inside the engagement groove 7, a concave section 7A-1 is so formed as to be inclined at a predetermined angle with respect to a width direction of the wedge 9 engaging with the 15 engagement groove 7; and, on the wedge 9, a projection 9A-1 of an inclined shape that can be inserted into the concave section 7A-1 is so formed as to engage with the engagement groove 7.

No. of Pages: 20 No. of Claims: 4

(21) Application No.6521/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/08/2014 (43) Publication Date: 12/06/2015

# (54) Title of the invention: THERAPEUTIC USE OF P75NTR NEUROTROPHIN BINDING PROTEIN

(51) International :A61K48/00,C07K14/705,C07K7/08 classification (31) Priority Document No :61/610682 (32) Priority Date :14/03/2012 (33) Name of priority :U.S.A. country (86) International :PCT/GB2013/050632 Application No :14/03/2013

Filing Date (87) International Publication :WO 2013/136078

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA Application Number :NA Filing Date

(71) Name of Applicant: 1)LEVICEPT LTD

Address of Applicant :c/o Index Venture Management LLP 3 Burlington Gardens London Greater London W1S 3EP U.K.

(72)Name of Inventor: 1)WESTBROOK Simon

# (57) Abstract:

The present invention relates to a p75NTR neurotrophin binding protein p75NTR(NBP) for use in the treatment of pain and/or a symptom of pain.

No. of Pages: 50 No. of Claims: 23

(22) Date of filing of Application :04/08/2014

(43) Publication Date: 12/06/2015

# (54) Title of the invention : USE OF THE CD2 SIGNALING DOMAIN IN SECOND GENERATION CHIMERIC ANTIGEN RECEPTORS

### (57) Abstract:

The present invention provides compositions and methods for treating cancer in a human. The invention includes relates to administering a genetically modified T cell expressing a CAR having an antigen binding domain a transmembrane domain a CD2 signaling domain and a CD3 zeta signaling domain. The invention also includes incorporating CD2 into the CAR to alter the cytokine production of CAR T cells in both negative and positive directions.

No. of Pages: 78 No. of Claims: 43

(21) Application No.6523/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: FAN WITH RESILIENT HUB

(51) International classification	:F04D29/34,F04D29/38	(71)Name of Applicant:
(31) Priority Document No	:61/590469	1)DELTA T CORPORATION
(32) Priority Date	:25/01/2012	Address of Applicant :2425 Merchant Street Lexington KY
(33) Name of priority country	:U.S.A.	40511 U.S.A.
(86) International Application No	:PCT/US2013/022963	(72)Name of Inventor:
Filing Date	:24/01/2013	1)HOLLAN C. Jason
(87) International Publication No	:WO 2013/112721	2)FIZER Richard W.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A resilient hub assembly comprises a top plate bottom plate central hub and outer spars. The central hub is coupled between the top plate and the bottom plate. The outer spars are coupled between the top plate and the bottom plate and the outer spars are positioned in a circular arrangement about a common longitudinal axis of the top plate and the bottom plate. The resilient hub assembly is configured to be flexible. The top plate and/or the bottom plate may comprise cutouts and/or the outer spars may be positioned as to allow a gap between the central hub and the outer spars to promote flexibility.

No. of Pages: 30 No. of Claims: 20

(21) Application No.6524/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/08/2014 (43) Publication Date: 12/06/2015

### (54) Title of the invention: THIN AIRFOIL CEILING FAN BLADE

(51) International :F04D29/38,F04D29/34,B64C11/16 classification

(31) Priority Document No :61/588932 (32) Priority Date :20/01/2012 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2013/021873

:17/01/2013

Filing Date

(87) International Publication :WO 2013/109711

No (61) Patent of Addition to

:NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1) DELTA T CORPORATION

Address of Applicant :2425 Merchant Street Lexington KY

40511 U.S.A.

(72) Name of Inventor:

1)NOBLE Ernest John

#### (57) Abstract:

A fan blade comprising a root end a blade region and a transition region. Wherein each of the root end and blade region comprise a unique profile and wherein the transition region comprises a profile which transitions the root end profile to the blade region profile. The root end profile comprises a substantially convex top surface a substantially concave domed sector and reliefs to allow for the root end to be coupled with a similarly shaped fan hub extrusion. The blade region profile comprises a substantially convex top surface and bottom surface which terminate at a leading edge and trailing edge. The blade region slopes upward along a length of the blade region and terminates at a curved tip.

No. of Pages: 36 No. of Claims: 20

(22) Date of filing of Application: 19/03/2014 (43) Publication Date: 12/06/2015

# (54) Title of the invention : COMPONENT PART FOR AN INJECTION MOLDING TOOL, INJECTION MOLDING TOOL AND METHOD FOR PRODUCING THE COMPONENT PART

(51) International classification	:B21D37/20	(71)Name of Applicant:
	:DE 10	1)GNTHER HEISSKANALTECHNIK GMBH
(31) Priority Document No	2013 102	Address of Applicant :SACHSENBERGER STRAE 1, 35066
	921.3	FRANKENBERG, Germany
(32) Priority Date	:21/03/2013	(72)Name of Inventor:
(33) Name of priority country	:Germany	1)GNTHER, HERBERT
(86) International Application No	:NA	2)SOMMER, SIEGRID
Filing Date	:NA	3)SCHNELL, TORSTEN
(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 problems of the prior art to be addressed by the invention derive from the fact that the combination of distributor plates and material pipes is expensive and difficult to handle, particularly for narrowly spaced mold cavities. Leaks are the result. The invention therefore relates to a component part for an injection molding tool having a distributor that includes the first distributor plate, with a top side and underside, having at least two material pipes that are aligned crosswise in relation to the underside of the first distributor plate and connected on the underside to the first distributor plate, wherein each material pipe has a flow channel configured therein, and wherein feed channels are configured in the first distributor plate that open on the underside into the flow channels of the material pipes, and wherein the feed channels on the top side of the first distributor plate are configured as open, and wherein the first distributor plate is monolithically formed together with the material pipes. The invention further relates to an injection molding tool fitted with such a component part, as well as a method for producing the component part.

No. of Pages: 33 No. of Claims: 14

(21) Application No.5929/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/07/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PROCESS FOR PREPARING TONER INCLUDING A BORAX COUPLING 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> <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>	:G03G5/00 :13/339565 :29/12/2011 :U.S.A. :PCT/US2012/071926 :28/12/2012 :WO 2013/101991 :NA :NA :NA	(71)Name of Applicant:  1)LEXMARK INTERNATIONAL INC. Address of Applicant: IP Law Department Bldg. 82 1 740 West New Circle Road Lexington KY 40550 U.S.A. (72)Name of Inventor: 1)SUN Jing X. 2)DIGGS Kofi Opare
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### (57) Abstract:

A method for producing toner according to one example embodiment includes combining and agglomerating a first polymer emulsion with a colorant dispersion and a release agent dispersion to form toner cores. A borax coupling agent is added to the toner cores. A second polymer emulsion is combined and agglomerated with the toner cores having the borax coupling agent to form toner shells around the toner cores. The aggregated toner cores and toner shells are fused to form toner particles.

No. of Pages: 37 No. of Claims: 20

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention : CONTROL APPARATUS, CONTROL. METHOD, IMAGING APPARATUS, PROGRAM, AND 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>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:H04N 5/225 :P2009-175042 :28/07/2009 :Japan :PCT/JP2010/062210 :21/07/2010 :WO 2011/013545	(71)Name of Applicant:  1)SONY CORPORATION Address of Applicant:1-7-1 KONAN, MINATO-KU, TOKYO, JAPAN (72)Name of Inventor: 1)HIDEKI HAYAKAWA 2)KEIICHI KURODA 3)SHINGO YOSHIZUMI
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* * *		
•		· ·
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)SHINGO YOSHIZUMI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a control apparatus, a control method, an imaging apparatus, a program, and an imaging system able to prevent cable wrapping, etc. which has a risk of occurring when rotating an imaging apparatus while a cable is connected in an imaging system which conducts automatic imaging operations by automatic composing and which is provided with an imaging apparatus and a motorized platform apparatus that rotatably drives the imaging apparatus, for example. It is determined whether or not a cable is connected to a cable port, and on the basis of the determination results, it is controlled such that the rotational angle range for a rotational driving unit is restricted. Thus, the above problem can be solved.

No. of Pages: 96 No. of Claims: 11

(21) Application No.5931/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/07/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: FRAME COMPONENT IN PARTICULAR PLOW FRAME COMPONENT

(51) International :A01B15/14,B23K26/28,B62D25/00 classification

(31) Priority Document No :102012100551.6 (32) Priority Date :24/01/2012 (33) Name of priority country: Germany

(86) International :PCT/EP2013/050747

Application No :16/01/2013

Filing Date

(87) International Publication :WO 2013/110535

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to :NA Application Number Filing Date

:NA

(71) Name of Applicant:

1)AMAZONEN WERKE H. DREYER GMBH & CO. KG

Address of Applicant: Am Amazonenwerk 9 13 49205

Hasbergen Germany (72) Name of Inventor: 1)LAUMANN Bernhard

2) RESCH Rainer

### (57) Abstract:

The invention relates to a frame component for devices and machines preferably agricultural devices and machines. In particular the invention relates to a frame component for mounted tractor plows trailer plows and semi mounted plows comprising a hollow profiled body (1) which has an upper face a lower face and lateral faces and on which tools tool supports brackets support wheels and such attachment elements can be supported. The aim of the invention is to allow an individual design of a frame component with a simplified production but increased material properties. This is achieved in that the hollow profiled body (1) is made with at least two individual components (2 3 4) which are adhesively bonded to each other.

No. of Pages: 19 No. of Claims: 18

(21) Application No.760/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHOD TO FORM A SOCIAL GROUP IN REAL TIME

	1)SIVA PRAKASA REDDY PAPPULA Address of Applicant :48988, MANNA GRASSE, TER FREMONT, CA 94539, U.S.A. (72)Name of Inventor: 1)SIVA PRAKASA REDDY PAPPULA A A A A A A A A A A A A A A A A A A
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### (57) Abstract:

A method to establish a social group in real time is provided. The method comprises collection of a users interest information through a software application provided on the users computing device. The method fiirther matches the users interest query with interest information of other users kept in the main system server. The system server then identifies various users having common interest information as that of the user and creates a social group of such users.

No. of Pages: 50 No. of Claims: 6

(21) Application No.811/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: SHEET FOR PETS

(51) International classification	:A01K1/015	(71)Name of Applicant:
(31) Priority Document No	:2012153082	1)UNI CHARM CORPORATION
(32) Priority Date	:06/07/2012	Address of Applicant :182 Shimobun Kinsei cho Shikokuchuo
(33) Name of priority country	:Japan	shi Ehime 7990111 Japan
(86) International Application No	:PCT/JP2013/067008	(72)Name of Inventor:
Filing Date	:20/06/2013	1)TAKAGI Chiyo
(87) International Publication No	:WO 2014/007070	2)IKEGAMI Takeshi
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

[Problem] To provide a technology capable of preventing the spread of excrement in a sheet surface. [Solution] A sheet (10) for pets comprising an absorbent body (20) a surface sheet (30) and a rear surface sheet (40). The absorbent body (20) has: a first absorbent layer (21) formed by hydrophilic fibers; a second absorbent layer (22) formed by water absorbent resin; a surface side covered sheet (23); and a rear surface side covered sheet (24). The rear surface side covered sheet (24) comprises either a sheet comprising hydrophobized hydrophilic fibers a sheet comprising hydrophobic fibers or a sheet comprising a mixture of hydrophobic fibers and hydrophilic fibers.

No. of Pages: 26 No. of Claims: 13

(21) Application No.6532/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/08/2014

(43) Publication Date: 12/06/2015

# (54) Title of the invention: FABRIC TREATMENT MACHINE PROVIDED WITH IMPACT MEMBERS

<ul> <li>(51) International classification</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>	:D06C19/00 :PO2012A000001 :10/01/2012 :Italy :PCT/IB2013/050238 :10/01/2013 :WO 2013/105054 :NA	(71)Name of Applicant:  1)BIANCALANI S.R.L. Address of Applicant: Via Menichetti 28 I 59100 Prato Italy (72)Name of Inventor: 1)BIANCALANI Massimo 2)RAVAGLI Riccardo
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A fabric treatment machine comprises a duct (10) for pneumatically conveying the fabric T and a chamber (12) into which the duct (10) leads; inside the chamber (12) located in front of the exit of the duct (10) there is at least one impact member (20) for treating the fabric; the chamber (12) is also equipped with a chute (14) for collecting the fabric on the bottom (16) and with an upper opening (18) behind the impact member (20) for discharging the conveying air. According to the invention the impact member is a grille (20) with a louvre structure.

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

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : METHOD AND DEVICE FOR OPERATING POWER SYSTEM AND RECHARGEABLE BATTERY MANAGEMENT DEVICE

(51) International classification :H02J3/32,H02J3/00,H02J3/38 (71)Name of Applicant : (31) Priority Document No :2012031262 1)HITACHI LTD. (32) Priority Date Address of Applicant: 6 6 Marunouchi 1 chome Chiyoda ku :16/02/2012 (33) Name of priority country Tokyo 1008280 Japan :Japan (86) International Application No :PCT/JP2013/053343 2)TOSHIBA CORPORATION Filing Date :13/02/2013 (72)Name of Inventor: (87) International Publication No :WO 2013/122079 1)KIMURA Yasutaka (61) Patent of Addition to 2)TSURUGAI Mitsuo :NA **Application Number** 3)FUJIKAWA Toshiyuki :NA Filing Date 4)TAKAMI Hyogo (62) Divisional to Application 5)NAKAMURA Tomoyuki :NA Number 6)ISOGAI Taichi :NA Filing Date

## (57) Abstract:

The purpose of the present invention is to provide a method and device for operating a power system and a rechargeable battery management device that extract maximum performance from rechargeable batteries and use said batteries evenly while taking into consideration cost and the operation of the batteries. In order to solve said problem in this method for operating a power system provided with a plurality of rechargeable battery devices and a plurality of electric generators the amount of power that a rechargeable battery available during a scheduled time period on a scheduled date will be able to supply is determined an economic dispatch calculation including the determined amount of power that the aforementioned rechargeable battery will be able to supply is performed for the power system and said rechargeable battery is used to supply power during the scheduled time period on the scheduled date.

No. of Pages: 44 No. of Claims: 18

(22) Date of filing of Application :04/08/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: METHODS AND APPARATUSES FOR DRYING ELECTRONIC DEVICES

(51) International classification :F26B3/353,F26B3/32,H05B1/00 (71) Name of Applicant:

(31) Priority Document No :61/593617 (32) Priority Date :01/02/2012

(33) Name of priority country :U.S.A.

(86) International Application

:PCT/US2013/024277 No :01/02/2013 Filing Date

(87) International Publication No:WO 2013/116599

(61) Patent of Addition to :NA Application Number :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1) REVIVE ELECTRONICS LLC

Address of Applicant: 12816 Whitebridge Drive Fishers IN

46037 U.S.A.

(72) Name of Inventor:

1)ZIELINSKI Reuben Quincey 2)TRUSTY Joel Christopher

## (57) Abstract:

Methods and apparatuses for drying electronic devices are disclosed. Embodiments include methods and apparatuses that heat and decrease pressure within the electronic device. Some embodiments increase and decrease pressure while adding heat. Other embodiments include a desiccator for removing moisture from the air being evacuated from the electronic device prior to the air reaching an evacuation pump. Further embodiments detect humidity within the low pressure chamber and determine when to increase and/or decrease pressure based on the humidity. Still further embodiments determine that the device is sufficiently dry to restore proper function based on the detected humidity and in some embodiments based on the changes in humidity while pressure is being increased and/or decreased. Still further alternate embodiments automatically control some or all aspects of the drying of the electronic device. Additional embodiment disinfect the electronic device.

No. of Pages: 49 No. of Claims: 41

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : NON ORIENTED MAGNETIC STEEL SHEET THAT EXHIBITS MINIMAL DEGRADATION IN IRON LOSS CHARACTERISTICS FROM A PUNCHING PROCESS

(51) International classification: C22C38/00, C22C38/60, H01F1/16 (71) Name of Applicant: (31) Priority Document No 1)JFE STEEL CORPORATION :2012-182322 (32) Priority Date :21/08/2012 Address of Applicant :2-3, Uchisaiwai-cho 2-chome, Chiyoda-(33) Name of priority country ku, Tokyo 1000011 Japan :Japan (86) International Application (72) Name of Inventor: :PCT/JP2013/070836 1)ZAIZEN Yoshiaki :01/08/2013 Filing Date 2)ODA Yoshihiko (87) International Publication 3)TODA Hiroaki :WO 2014/030512 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

A non-oriented magnetic steel sheet that contains, by mass, up to 0.005% carbon, 2 - / % silicon, 0.03-3% manganese, up to 3% aluminum, up to 0.2% phosphorus, up to 0.005% sulfur, up to 0.005% nitrogen, 0.0001- 0.0005% selenium, and 0.0005-0.005% arsenic, with the remainder comprising iron and unavoidable impurities. Said non-oriented magnetic steel sheet exhibits an iron loss (W15/50) of no more than 3.5 W/kg when excited with 1.5 T at 50 Hz and exhibits excellent iron-loss characteristics prior to a punching process in which the quotient (x/t) of the amount of sag (x, in mm) that occurs when the steel sheet is punched and the thickness (t, in mm) of the sheet is less than or equal to 0. 15. Furthermore, the degradation in iron-loss characteristics: from the punching process is minimal.

No. of Pages: 21 No. of Claims: 3

(21) Application No.6543/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: AQUEOUS POLYVINYLIDENE FLUORIDE 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 Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H01M2/14 :61/601278 :21/02/2012 :U.S.A. :PCT/US2013/026996 :21/02/2013 :WO 2013/126490 :NA :NA	(71)Name of Applicant: 1)ARKEMA INC. Address of Applicant:900 First Avenue King of Prussia Pennsylvania 19406 U.S.A. (72)Name of Inventor: 1)AMIN SANAYEI Ramin 2)GABOURY Scott
<u>c</u>	:NA :NA	

### (57) Abstract:

The invention relates to a separator for non aqueous type electrochemical device that has been coated with an aqueous fluoropolymer coating. The fluoropolymer is preferably polyvinylidene fluoride (PVDF) and more preferably a copolymer of polyvinylidene fluoride. The fluoropolymer coating provides a porous coating on porous substrate separator used in non aqueous type electrochemical devices such as batteries and electric double layer capacitors. The fluoropolymer coating improves the thermal resistance and mechanical integrity and lowers the interfacial electrical impedance of the porous separator. The fluoropolymer composition optionally contains powdery particles that are held together on the separator by the fluoropolymer binder. In one embodiment the starting fluoropolymer dispersion is free of fluorinated surfactant. In another embodiment one or more fugitive adhesion promoters are added.

No. of Pages: 23 No. of Claims: 11

(21) Application No.6544/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: POROUS IMPLANT MATERIALS AND RELATED METHODS

:A61L27/16,A61L27/56 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/597360 1)SYNTHES GMBH (32) Priority Date :10/02/2012 Address of Applicant : Eimattstrasse 3 CH 4436 Oberdorf (33) Name of priority country :U.S.A. Switzerland (86) International Application No :PCT/US2013/024259 (72) Name of Inventor: Filing Date :01/02/2013 1)KERR Sean H. (87) International Publication No :WO 2013/119458 2)ARMBRUSTER David (61) Patent of Addition to Application 3)SAHEBA Ami :NA Number 4)DWYER James :NA Filing Date 5)RECBER Ali Cem (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

Provided are porous biocompatible implant bodies and materials. These materials suitably comprise a population of randomly arranged thermoplastic constituents with at least some of the constituents being bonded to one another The implant bodies are capable of being manipulated at room temperature from a first shape to a second shape and of maintaining the second shape at about internal body temperature. Also provided are related methods of fabricating such implants and installing the implants into a subject.

No. of Pages: 44 No. of Claims: 51

(21) Application No.6546/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/08/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: CONDITIONING COMPOSITION ADDITIVE FOR PROVIDING IMMEDIATE AND LONG LASTING BENEFITS TO KERATIN SUBSTRATES

(51) International classification :A61Q5/12,A61K8/73,A61K8/81 (71) Name of Applicant:

(31) Priority Document No :61/598031 (32) Priority Date :13/02/2012 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2013/025531

:11/02/2013 Filing Date

(87) International Publication No:WO 2013/122861

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

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19808 U.S.A.

(72) Name of Inventor:

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2)KROON Gijsbert 3)NAOULI Nabil

4)NUUTINEN Tuttu Maria 5)SIEVERLING Nathalie

### (57) Abstract:

The presently disclosed and claimed inventive concept(s) relates to a conditioning composition additive for use on keratin substrates in order to provide immediate as well as long lasting benefits to the keratin substrate in conditioning systems such as leave on and rinse off conditioners for hair and skin or for imparting greater water resistance to such personal care compositions as sunscreens or cosmetics. The presently disclosed and claimed inventive concept(s) also relates to a conditioning composition containing the conditioning composition additive and a method of applying the conditioning composition additive.

No. of Pages: 36 No. of Claims: 20

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : METHOD FOR THE TREATMENT OF STEELWORK SLAG AND HYDRAULIC MINERAL BINDER

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:C04B5/06,C04B7/147,C21B3/08 :NA :NA :NA :NA :PCT/EP2012/003744 :06/09/2012 :WO 2014/037020 :NA :NA	(71)Name of Applicant:  1)LOESCHE GMBH  Address of Applicant:Hansaallee 243 40549 D ¹ / ₄ sseldorf  Germany (72)Name of Inventor:  1)WULFERT Holger  2)LUDWIG Horst Michael
No (61) Patent of Addition to	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a method for the treatment of steelwork slag for producing a hydraulic mineral binder with high curing potential and for recycling iron. To this end and according to the invention a source product containing steelwork slag and MnO is prepared. This source product is further processed as a melt by introducing reducing agents into the melt. The mineral content of the melt should reach a lime standard of between 90 and 110. The melt is then cooled under defined conditions and elemental iron is mechanically separated from the solidified melt. The solidified melt is then fed to be used as a hydraulic mineral binder. The invention further relates to a hydraulic mineral binder.

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

(12)TATENT ALTERATION TODERCATION

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: TRANSACTION SUPPORT 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>	:08/08/2013 :WO 2014/025000 :NA :NA	(71)Name of Applicant:  1)KEYSOFT INC.  Address of Applicant:116 1 Kouyama Matsuda machi Ashigarakami gun Kanagawa 2580002 Japan (72)Name of Inventor:  1)KAGIWADA Yoshimitsu
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

(21) Application No.835/DELNP/2015 A

### (57) Abstract:

(19) INDIA

This system is equipped with: a transaction information processing unit (1) for communicating with the terminals of a plurality of businesses via the internet; a generation rules storage unit (4) for storing the corresponding relationships between a data item in the order data of a transaction and a data item in the delivery data thereof; and a transaction information storage unit (2) for storing the order data and the delivery data. The transaction information processing unit (1) automatically generates delivery data from order data generated from a transaction between multiple businesses on the basis of the corresponding relationship stored in the generation rules storage unit (4) and stores the delivery data in the transaction information storage unit.

No. of Pages: 33 No. of Claims: 7

(22) Date of filing of Application :01/08/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: RAIL VEHICLE BRAKING DEVICE AND METHOD FOR BRAKING A RAIL VEHICLE

:B60L3/00,B60L7/16,B60L7/24 (71)Name of Applicant : (51) International classification (31) Priority Document No :10 2012 203 132.4

(32) Priority Date :29/02/2012 (33) Name of priority country :Germany

(86) International Application No :PCT/EP2013/054057 Filing Date :28/02/2013

(87) International Publication No: WO 2013/127934

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

1) SIEMENS AKTIENGESELLSCHAFT

Address of Applicant: Wittelsbacherplatz 2 80333 M¹/₄nchen

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(72) Name of Inventor:

1)SCHWINN Jean Pascal 2)STTZLE Thorsten 3)F-RSTER Till 4)HASSLER Stefan 5)HEILMANN Reiner

6)WIESAND Manfred

#### (57) Abstract:

The invention relates to a rail vehicle braking device with at least one electrodynamic brake (24) which comprises a drive unit (16) which has at least one drive motor (18) and a power supply unit (20) for supplying the drive motor (18) when the drive unit (16) is in a traction mode. According to the invention the rail vehicle braking device has at least two brake control units (28 30) in order to increase the safety of the electrodynamic brake wherein in a first braking mode a first brake control unit (28) in an active state controls the power supply unit (20) for providing a braking effect a first brake effect monitoring unit (50) and a switching unit (32) which serves to switch depending on a brake effect parameter in the first braking mode into a second braking mode in which the second brake control unit (30) in an active state controls the power supply unit (20) for providing a brake effect.

No. of Pages: 39 No. of Claims: 14

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: AERIAL CONTROL SYSTEM AND MULTI FREQUENCY COMMON AERIAL

<ul> <li>(51) International classification</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>	:H01Q21/24 :201210012047.0 :13/01/2012 :China :PCT/CN2012/087783 :28/12/2012 :WO 2013/104260 :NA :NA :NA	(71)Name of Applicant:  1)COMBA TELECOM SYSTEM (CHINA) LTD.  Address of Applicant: No. 10 Shenzhou Road Science City Gaungzhou Guangdong 510663 China (72)Name of Inventor:  1)SUN Shanqiu 2)JIA Feifei 3)LIU Peitao
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### (57) Abstract:

Particularly disclosed is a multi frequency common aerial comprising a first high frequency range radiating array and a low frequency range radiating array; the low frequency range radiating array comprises a plurality of low frequency radiating units coaxially disposed along two axes respectively; the low frequency radiating units are staggered to each other in the orthogonal direction of the two axes; the first high frequency range radiating array comprises a plurality of high frequency radiating units at least some of the high frequency radiating units being coaxially arranged along the same axis; one axis of the low frequency range radiating array coincides with the axis of the first high frequency range radiating array and the low frequency radiating unit therein has a high frequency radiating unit nested therewith; regarding the low frequency radiating units on the two axes the symmetrical vibrators adjacent to each other have the same feed in power and the symmetrical vibrators away from each other also have the same feed in power and the former is greater than the latter. With an improved layout the multi frequency common aerial achieves a reasonable dimension while having superior electrical performance.

No. of Pages: 67 No. of Claims: 19

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: ADAPTOR FOR COUPLING TO A MEDICAL CONTAINER

(51) International classification (31) Priority Document No (2012007720 (32) Priority Date (23) Name of priority country (2012007720 (33) Name of priority country (201207720 (20120772012) (20120772012)

(86) International Application No :PCT/SG2013/000043
Filing Date :01/02/2013

(87) International Publication No :WO 2013/115729

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to Application
:NA

Number :NA
Filing Date :NA

:A61J1/14,A61J1/20,A61J1/03 (71)Name of Applicant :

1)BECTON DICKINSON HOLDINGS PTE. LTD.

Address of Applicant: 30 Tuas Avenue 2 Singapore 639461

Singapore

(72)Name of Inventor:
1)BARRELLE Laurent

2)FERNANDO Anthony C. J.

#### (57) Abstract:

The invention relates to an adaptor (10) for coupling with a medical container including: a tubular body (20) receiving a pierceable elastomeric piece (30) defining an inner cavity (60) of said adaptor said pierceable elastomeric piece being movable within said tubular body between a first position in which a distal part of said pierceable elastomeric piece forms a seal of said cavity and a second position proximally spaced from said first position in which said distal part opens the seal of said cavity an air inlet (80) and a filtering system for filling said inner cavity with decontaminated air and a gripping member (26) for securing the adaptor to the medical container. The invention also relates to an assembly comprising such an adaptor and a medical container.

No. of Pages: 37 No. of Claims: 19

(21) Application No.836/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : METHOD FOR MANUFACTURING LOW PROTEIN RICE AND FOOD USING LOW PROTEIN RICE

<ul> <li>(51) International 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> <li>Filing Date</li> </ul>	:A23L1/10,A23L1/30,A23L1/015 :2012176505 :08/08/2012 :Japan :PCT/JP2013/069182 :12/07/2013 :WO 2014/024642 :NA :NA	(71)Name of Applicant:  1)THE NISSHIN OILLIO GROUP LTD.  Address of Applicant:23-1 Shinkawa 1 chome Chuo ku Tokyo 1048285 Japan (72)Name of Inventor:  1)SEKINE Seiji 2)TAKAGI Tetsuo
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## (57) Abstract:

A method for manufacturing a low protein rice said method comprising degrading protein in uncooked rice washing the thus treated rice then sticking oil to the rice and gelatinizing the rice. According to the present invention a high energy and low protein rice that is suitable for distribution can be provided to protein restricted patients with kidney diseases etc.

No. of Pages: 84 No. of Claims: 15

(19) INDIA

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 12/06/2015

(54) Title of the invention: DIALYSIS 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:28/01/2013 :WO 2013/110919 :NA :NA :NA	(71)Name of Applicant:  1)QUANTA FLUID SOLUTIONS LTD  Address of Applicant: Tything Road Alcester Warwickshire  B49 6EU U.K.  (72)Name of Inventor:  1)WALLACE Mark  2)HIGGIT Ben
Filing Date	:NA	

(21) Application No.6499/DELNP/2014 A

### (57) Abstract:

The invention relates to a dialysis machine having improved flow balance. In particular the invention monitors the pressure of blood entering and leaving a patient s body using several sensors (37 39) and adapts the pressure of a dialysate solution feed to the dialysis machine to compensate for compliances in the fluid flow path. As a consequence better flow balance is maintained throughout dialysis treatment leading to a more uniform removal of waste materials form the blood.

No. of Pages: 36 No. of Claims: 40

(22) Date of filing of Application :07/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: AIR SUPPLY APPARATUS FOR EXPERIMENTAL ANIMAL HUSBANDARY 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</li> </ul>	:f16l :102108997 :14/03/2013 :Taiwan :NA :NA :NA :NA	,
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An air supply apparatus for experimental husbandry equipments includes a frame having a plurality of cubicles formed by a support frame, and a container for containing and breading an experimental animal. The frame has an air supply pipeline comprising a main intake pipe and a main extraction pipe, and a branch intake pipe and a branch extraction pipe are installed between the two main pipes, wherein the branch intake pipe is interconnected with the main intake pipe, and the branch extraction pipe is interconnected to the main extraction pipe, and each branch pipe has a through hole formed at a position corresponsive to each cubicle and a joint for supplying air to the container, and the air supply pipeline has an adjusting device for adjusting the amount of supplied air, so that each container can obtain an equal amount of air.

No. of Pages: 15 No. of Claims: 9

(22) Date of filing of Application :23/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: CHIMERIC INFLUENZA VIRUS-LIKE PARTICLES COMPRISING HEMAGGLUTININ

<ul> <li>(51) International classification</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>	:C07K 14/11 :61/220,161 :24/06/2009 :U.S.A. :PCT/CA2010/000983 :25/06/2010 :WO 2010/148511 :NA :NA	(71)Name of Applicant:  1)MEDICAGO INC.  Address of Applicant:SUITE 600 1020, ROUTE DE I'EGLISE QUEBEC, QUEBEC G1V 3V9 (CA) Canada (72)Name of Inventor:  1)COUTURE, MANON  2)DARGIS, MICHELE  3)LAVOIE, PIERRE-OLIVIER  4)V‰ZINA, LOUIS-PHILIPPE  5)D'AOUST, MARC-ANDRE
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### (57) Abstract:

A method for synthesizing chimeric influenza virus-like particles (VLPs) within a plant or a portion of a plant is provided. The method involves expression of chimeric influenza HA in a plant or a portion of a plant. The invention is also directed towards a VLP comprising chimeric influenza HA protein and plants lipids. The invention is also directed to a nucleic acid encoding chimeric influenza HA as well as vectors. The VLPs may be used to formulate influenza vaccines, or may be used to enrich existing vaccines.

No. of Pages: 250 No. of Claims: 29

(21) Application No.6663/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/08/2014 (43) Publication Date : 12/06/2015

### (54) Title of the invention: HYDRAULIC SHOVEL

<ul> <li>(51) International classification</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>	:E02F9/22 :PCT/JP2013/082825 :06/12/2013 :Japan :PCT/JP2014/061537 :24/04/2014 :WO 2014/192473 :NA	(71)Name of Applicant: 1)KOMATSU LTD. Address of Applicant: 2 3 6 Akasaka Minato ku Tokyo 1078414 Japan (72)Name of Inventor: 1)TAKAURA Takeshi
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

In order to provide a hydraulic shovel with which the erosion of a design surface by a work machine can be suppressed: a boom lowering proportional solenoid valve is provided to a boom lowering pilot pipe line that is connected to a boom lowering pilot port; a first pressure sensor detects a pressure generated in the boom lowering pilot pipe line between an operation lever and the boom lowering proportional solenoid valve; a controller controls the degree of opening of the boom lowering proportional solenoid valve on the basis of the pressure detected by the first pressure sensor; and the controller gradually increases from zero an electric current value that is output to the boom lowering proportional solenoid valve.

No. of Pages: 42 No. of Claims: 5

(21) Application No.853/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: DEVICE FOR DISSIPATING AND GRINDING THE WET PART OF URBAN 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</li> <li>Number</li> </ul>	:CZ2012A000010 :02/08/2012 :Italy :PCT/IB2013/001684 :01/08/2013 :WO 2014/020413 :NA	(71)Name of Applicant:  1)SAUVE Luigi Address of Applicant: Piazza G. Bruno 10 I 20100 Forano (RI)  Italy (72)Name of Inventor:  1)SAUVE Luigi
(61) Patent of Addition to Application		
Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Device (100) for dissipating and grinding the wet part of urban waste comprising: an upper container (101) able to be filled with the wet part of urban waste; an electric motor (106) coupled to the upper container (101) and able to grind the wet part; and a lower reservoir (107) for the collection of the grinded wet part; wherein the lower reservoir (107) is detachable and able to be directly emptied through the bathroom toilet into the sewer pipes and through the sewer pipes into the sewage treatment plant systems.

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

(22) Date of filing of Application :20/01/2012

(43) Publication Date: 12/06/2015

# (54) Title of the invention : PURIFICATION AND ISOLATION OF RECOMBINANT OXALATE DEGRADING ENZYMES AND SPRAY-DRIED PARTICLES CONTAINING OXALATE DEGRADING ENZYMES

<ul> <li>(51) International classification</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>	:C12N 9/02 :09164430.2 :02/07/2009 :EUROPEAN UNION :PCT/EP2010/003864 :01/07/2010	2)QINGSHAN LI
* *		
Filing Date	:01/07/2010	2)QINGSHAN LI
(87) International Publication No	:WO 2011/000523	3)AARON BLAKE COWLEY
(61) Patent of Addition to Application	:NA	4)CARL-GUSTAF GOLANDER
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention comprises methods and compositions for the reduction of oxalate in humans, and methods for the purification and isolation of recombinant oxalate reducing enzyme proteins. The invention provides methods and compositions for the delivery of oxalate-reducing enzymes in particle compositions. The compositions of the present invention are suitable in methods of treatment or prevention of oxalate-related conditions.

No. of Pages: 64 No. of Claims: 20

(21) Application No.624/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/01/2012

(43) Publication Date: 12/06/2015

# (54) Title of the invention : METHODS FOR TREATING OR PREVENTING FATIGUE, AND COMPOUNDS AND COMPOSITIONS THEREOF

(51) International classification	:A61K 31/175	(71)Name of Applicant :
(31) Priority Document No	:US 61/219,082	1)SK BIOPHARMACEUTICALS CO., LTD.
(32) Priority Date	:22/06/2009	Address of Applicant :99, SEORIN-DONG, JONGRO-GU,
(33) Name of priority country	:U.S.A.	SEOUL 110-110, Republic of Korea
(86) International Application No	:PCT/US2010/039313	(72)Name of Inventor:
Filing Date	:21/06/2010	1)KHAYRALLAH, MOISE, A.
(87) International Publication No	:WO 2011/005473	2)BREAM, GARY
(61) Patent of Addition to Application	:NA	3)BUTTS, STEPHEN, E.
Number	:NA :NA	4)MELNICK, SUSAN, MARIE
Filing Date	.IVA	5)TAYLOR, DUNCAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract:		·

### (57) Abstract:

The present invention relates to the compounds and compositions of the invention and use thereof for treatment and/or prevention of fatigue, including fatigue associated with diseases or treatments.

No. of Pages: 44 No. of Claims: 18

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 12/06/2015

### (54) Title of the invention: DUAL DIRECTIONAL OPENING TYPE MAIL ENVELOPE

<ul> <li>(51) International classification</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>	:10-2013- 0030069	(71)Name of Applicant:  1)LEE, Hyunho Address of Applicant:203-507, Yurim Asiad Tower, 84, Hwaji-ro, Yeonje-gu, Busan, Republic of Korea. (72)Name of Inventor: 1)LEE, Hyunho
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#### (57) Abstract:

The present invention relates to a dual directional opening type mail envelope and more specifically, an envelope that has opening start section with cutting part and cutting lines marked with arrows in the center that can be cut from both sides and a cutting part that had been partly cut beforehand. Dual directional opening type mail envelope includes an opening start section with cutting part and cutting lines marked with arrows that open when the thumb and index finger of the left hand flips the cutting part back where first and second cutting line are opened cleanly and rapidly and as thumb nail on the right hand is inserted into the gap to move left and right as cutting lines are comprises of arrows placed with distance which ensures that the envelope will be opened rapidly as a flying arrow without leaving any residue. When thumb nail of the right hand opens the envelope to the left, direction of the arrows are towards the left and when it opens the envelope to the right, direction of arrows are to the right which makes it easy to open the envelope from both directions at the center without any trouble and prevents pieces of envelope from falling off as it does when it is not opened easily; thus, there is no need to clean up after opening the envelope as dual directional opening type mail envelope is designed to be environmentally friendly. For this purpose, present invention provides dual directional opening type mail envelope which includes opening start section in the middle for envelope to open from both ends and part that had been partially cut before the envelope is opened which composes the cutting part.

No. of Pages: 17 No. of Claims: 4

(22) Date of filing of Application :04/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention : TRANSFERRING A STATE OF AN APPLICATION FROM A FIRST COMPUTING DEVICE TO A SECOND COMPUTING DEVICE

#### (57) Abstract:

The disclosed subject matter relates to computer implemented methods for transferring a state of an application from a first computing device to a second computing device. In one aspect a method includes receiving a first request from a first computing device to transfer a state of a first application from the first computing device to the second computing device. The method further includes sending to the second computing device a second request for an approval to initiate the transfer. The method further includes receiving from the second computing device an approval to initiate the transfer. The method further includes receiving from the first computing device based on the received approval the state of the first application. The method further includes sending the received state of the first application to the second device.

No. of Pages: 52 No. of Claims: 24

(21) Application No.779/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :15/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: FAILSAFE SYSTEM FOR LOAD COMPENSATING DEVICE

### (57) Abstract:

An apparatus and system for automatically deploying an air deflector of a load compensating device when there is a loss of communication or power is provided. In some examples, the apparatus and system may include a spring configured to rotate a gear, thereby deploying the air deflector. In some arrangements, the spring may be a torsion spring and may be biased to rotate the gear when released from a hold position maintained by a latch. The latch may be controlled by a release mechanism, such as a solenoid, that may be configured to activate upon occurrence of a communication loss event. The release mechanism may release the latch, thereby releasing the spring and deploying the air deflector.

No. of Pages: 26 No. of Claims: 20

(21) Application No.813/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

:NA

# (54) Title of the invention : GAS SHIELD ELECTRODE AND COMPOSITE BIFUNCTIONAL AIR ELECTRODE USING THE SAME FOR USE IN METAL AIR BATTERIES

:H01M4/86,H01M4/88 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)AZA HOLDING PTE. LTD. :61/672935 (32) Priority Date Address of Applicant :22B Duxton Hill 089605 Singapore :18/07/2012 (33) Name of priority country (72)Name of Inventor: :U.S.A. (86) International Application No :PCT/IB2013/055844 1)MARTIROSYAN Suren Filing Date :16/07/2013 2) GUILLONNET Didier (87) International Publication No :WO 2014/013433 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA

#### (57) Abstract:

Filing Date

Method of operating a secondary Metal Air electrochemical cell with a metal anode and an air cathode comprising the steps of (a) at start of a charging session creating in less than 2 seconds an oxygen gas shield on the electrolyte side of the air electrode obstructing ion passage between the bulk of the electrolyte and the air electrode; (b) charging the cell without anodic polarization of the air electrode with the help of (i) electric conductive material placed between the electrolyte side of air electrode and the bulk of electrolyte and (ii) the said oxygen gas shield obstructing passage of ions of the electrolyte between the electrolyte side of air electrode and the bulk of electrolyte; (c) removing the oxygen gas shield at start of a discharging session.

No. of Pages: 52 No. of Claims: 24

(22) Date of filing of Application :02/02/2015 (43) Publication Date: 12/06/2015

### (54) Title of the invention: DEVICE AND METHOD FOR AUTOMATIC FILTER ADJUSTMENT

(51) International :G06Q30/02,H04N21/466,H04N21/482 classification

(31) Priority Document :12175382.6

:06/07/2012 (32) Priority Date

(33) Name of priority :EPO

country

(86) International

:PCT/EP2013/064314 Application No :05/07/2013

Filing Date

(87) International :WO 2014/006209 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA Application Number :NA Filing Date

(71)Name of Applicant:

1)FUNKE DIGITAL TV GUIDE GMBH

Address of Applicant :Schiffbauerdamm 22 10117 Berlin

Germany

(72) Name of Inventor:

1)KORST Jan

2)PRONK Serverius Petrus Paulus

3)BARBIERI Mauro

### (57) Abstract:

The invention refers to a method and a device for adjusting filter parameters wherein the device comprises a display a physical user interface a memory and a processing unit that is operatively connected to the display the physical user interface and the memory. The memory comprises a (plurality of) sorted list of items comprising a plurality of items in an ordered manner wherein the order of the items is determined by their rank and each item is characterized by at least one feature value pair that represents a value of a feature of the item. The processing unit is configured to generate a graphical representation of the items in the list in an ordered manner on the display. The processing unit is further configured to respond to the physical user interface so as to allow a user to re order (rearrange) and/or drop items in the graphical representation of the list of items. The processing unit is further configured to modify the rank of the items in the list according to the graphical representation after rearrangement in response to the physical user interface. The processing unit is further configured to determine a like degree for at least some of the feature value pairs characterizing the items in the re ordered list so that a product of feature value pair like degree indicating factors for a particular item matches the rank of the items in the re ordered list when compared to a product of feature value pair like degree indicating factors of other items in the reordered list.

No. of Pages: 24 No. of Claims: 17

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : ROTOR FOR AN AXIAL FLOW TURBOMACHINE AND DOUBLE NUT FOR CONNECTING TWO TIE ROD ELEMENTS

(71)Name of Applicant: :F01D5/06,F04D29/054 1)SIEMENS AKTIENGESELLSCHAFT (51) International classification (31) Priority Document No :10 2012 215 886.3 Address of Applicant: Wittelsbacherplatz 2 80333 M¹/₄nchen (32) Priority Date :07/09/2012 Germany (33) Name of priority country :Germany (72) Name of Inventor: (86) International Application No :PCT/EP2013/068505 1)COSTAMAGNA Karin Filing Date :06/09/2013 2)DUNGS Sascha (87) International Publication No :WO 2014/037521 3)HOELL Harald (61) Patent of Addition to Application 4)HULL Henrik :NA Number 5)KOLK Karsten :NA Filing Date 6)LAUDAGE Ulf (62) Divisional to Application Number :NA 7)NIMPTSCH Harald Filing Date :NA 8)SCHR-DER Peter 9) VEITSMAN Vyacheslav

### (57) Abstract:

Rotor for an axial flow turbomachine and double nut for connecting two tie rod elements. The invention relates to a rotor (10) for an axial flow turbomachine comprising a number of a plurality of disc shaped (12) or drum shaped (16) rotor components and at least one pin shaped tie rod (20) extending through the rotor components (14) wherein a counter bearing (26, 28) is screwed onto each of the projecting ends of said tie rod for axially bracing the rotor components (14) arranged therebetween. The aim of the invention is to provide a rotor (10) by which shorter service intervals can be achieved. In order to achieve said aim the tie rod (20) comprises at least two axially adjacent tie rod elements (30, 32) which are each connected to one another in a detachable manner by a connecting means (34). Double nut (35) for connecting two tie rod elements (30, 32).

No. of Pages: 22 No. of Claims: 12

(22) Date of filing of Application :23/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: COMBINATION THERAPY FOR THE 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> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61K 45/06 :61/223,881 :08/07/2009 :U.S.A. :PCT/US2010/041136 :07/07/2010 :WO 2011/005811 :NA :NA	(71)Name of Applicant:  1)JANSSEN PHARMACEUTICA, N.V. Address of Applicant: TURNHOUTSEWEG 30, B-2340, BEERSE, BELGIUM (72)Name of Inventor: 1)YIN LIANG 2)JOHN RYAN 3)ABRAHAM B. WOLDU 4)LISA E. WU
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### (57) Abstract:

The present invention is directed to co-therapy and methods for the treatment and prevention of glucose-related disorders such as Type 2 diabetes mellitus and Syndrome X. The present invention is further directed to pharmaceutical compositions for the co-therapy and methods described herein.

No. of Pages: 87 No. of Claims: 7

(22) Date of filing of Application :20/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: CONICAL BEARING FOR A WHEEL ASSEMBLY FOR A LUGGAGE ITEM

<ul> <li>(51) International classification</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>	:A45C13/00 :13160173.4 :20/03/2013 :EUROPEAN UNION :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)SAMSONITE IP HOLDINGS SR.L. Address of Applicant:13-15 Avenue de la Libert, L-1931 Luxembourg, (72)Name of Inventor: 1)REINHARD MEERSSCHAERT
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#### (57) Abstract:

A wheel assembly (102) for a luggage item and a luggage item. The wheel assembly (102) may include a housing (136) for operably coupling the wheel assembly (102) to a luggage item. The wheel assembly (102) may also include a wheel support (138) rotatably coupled to the housing (136) and having a first axis of rotation. The wheel support (138) may be coupled to a wheel member (140) having a second axis of rotation. A friction reduction member (142) may be positioned between the housing (136) and the wheel support (138) to facilitate the relative rotation therebetween. The wheel support (138) may include an underside defining in part a conical shape.

No. of Pages: 36 No. of Claims: 20

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHOD AND APPARATUS FOR PREVENTING ELECTRICITY METER FAILURE

<ul> <li>(51) International classification</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>	:H01H47/00 :13/622857 :19/09/2012 :U.S.A. :PCT/US2013/021710 :16/01/2013 :WO 2014/046712 :NA :NA	(71)Name of Applicant:  1)SENSUS USA INC.  Address of Applicant:8601 Six Forks Road Suite 700 Raleigh NC 27615 U.S.A. (72)Name of Inventor:  1)REED Marc L.  2)RUDE Jared  3)DUDDING Andrew  4)BROWN Michael  5)MAZZA William R
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method and apparatus that monitors and controls the operation of an electricity meter and prevents a failure of and/or damage to the electricity meter. A potential failure condition of an electrical connection between an electricity meter and a meter socket in an electrical line that provides power from a power supply to an electrical load through the electricity meter is detected. A correction time may be determined based on a temperature in the vicinity of the electrical connection and a current through the electrical connection. The correction time indicates an amount of time that is available before a predicted failure of the electrical connection will occur. The method determines whether the electricity meter is in an imminent failure condition based on the correction time or the information used to detect the potential failure condition of the electrical connection.

No. of Pages: 36 No. of Claims: 22

(21) Application No.842/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention: WET TISSUE CONTAINING HOT WATER EXTRACT OF COPTIDIS RHIZOMA EXTRACTED UNDER HIGH TEMPERATURE AND HIGH PRESSURE CONDITIONS

(51) International :A47K7/00,A62B18/02,A61F13/15 classification

:10-2012-0085420 (31) Priority Document No

(32) Priority Date :03/08/2012 (33) Name of priority country :Republic of Korea (86) International Application

:PCT/KR2013/006109 No

:10/07/2013 Filing Date

(87) International Publication

(61) Patent of Addition to :NA **Application Number** :NA

:NA Number

:WO 2014/021561

Filing Date (62) Divisional to Application

:NA Filing Date

(71)Name of Applicant:

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2)YU Yeon Ju

(72) Name of Inventor:

1)LEE Yea Sung 2)YU Yeon Ju

### (57) Abstract:

The present invention relates to a wet tissue containing a hot water extract of Coptidis Rhizoma extracted under high temperature and high pressure conditions, or a distillate thereof, and more specifically, to a wet tissue containing a hot water extract of Coptidis Rhizoma obtained by mixing 2,000-8,000 parts by weight of water on the basis of 100 parts by weight of Coptidis Rhizoma and extracting the same under high temperature and high pressure conditions of 120-131 °C and 1.2-2.8 atm, respectively, or a distillate thereof. The wet tissue containing a hot water extract of Coptidis Rhizoma or a distillate thereof shows remarkable antibacterial and fungicidal activities against pathogenic microorganisms existing in the skin and has an excellent inflammation inhibitory effect, and thus can be readily used for cleaning the skin and alleviating various inflammatory diseases.

No. of Pages: 42 No. of Claims: 11

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: CONTROL DEVICE FOR INDUCTION HEATING UNITS

<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>	:NA	(71)Name of Applicant: 1)TOSHIBA MITSUBISHI ELECTRIC INDUSTRIAL SYSTEMS CORPORATION Address of Applicant: 3 1 1 Kyobashi Chuo ku Tokyo 1040031 Japan (72)Name of Inventor: 1)DOIZAKI Tetsuji
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### (57) Abstract:

The objective of the present invention is to provide a control device for induction heating units that is capable of separately controlling the amounts of temperature rise at one side and at the other side of a material to be heated while preventing an abnormal mutual induction phenomenon from taking place between both induction heating units. To this end this control device is equipped with: a master frequency control unit for setting an operating frequency of a master inverter which drives a master C shaped induction heating unit provided at one side of a material to be heated such that the phase of an output voltage and the phase of an output current of the master inverter are synchronized; a slave frequency control unit for synchronizing an operating frequency of a slave inverter which drives a slave C shaped induction heating unit provided at the other side of the material to be heated with the operating frequency of the master inverter; a slave current phase control unit for synchronizing the phase of an output current of the slave inverter with the phase of the output current of the master inverter; a master voltage control unit for setting a pulse width of the output voltage of the master inverter; and a slave voltage control unit for setting a pulse width of an output voltage of the slave inverter.

No. of Pages: 43 No. of Claims: 6

(22) Date of filing of Application :02/02/2015 (43) Publication Date: 12/06/2015

### (54) Title of the invention: INDUCTION HARDENING STEEL HAVING EXCELLENT FATIGUE CHARACTERISTICS

(51) International :C22C38/00,B22D11/00,B22D11/115 classification

(31) Priority Document No :2012-232141 (32) Priority Date :19/10/2012 (33) Name of priority

:Japan country

(86) International :PCT/JP2013/078324

Application No :18/10/2013 Filing Date

(87) International

:WO 2014/061782 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71) Name of Applicant:

1)NIPPON STEEL & SUMITOMO METAL

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Address of Applicant: 6 1 Marunouchi 2 chome Chiyoda ku

Tokyo 1008071 Japan (72) Name of Inventor:

> 1)HASHIMURA Masavuki 2)MIYAZAKI Masafumi 3)FUJITA Takashi 4)YAMAMURA Hideaki

(57) Abstract:

An induction-hardening steel having the following chemical composition, in mass%: C=0.45-0.85%; Si=0.01-0.80%; Mn=0.1-1.5%; Al=0.01-0.05%; REM=0.0001-0.050%; 0=0.0001-0.0030%; Ti=less than 0.005%; N=0.015% or less; P=0.03% or less; S=0.01% or less; and with iron and impurities constituting the remainder. Further contained therein is a composite inclusion containing REM, O, S and Al, and having TiN adhered thereto. The induction-hardening steel is characterized in that the total of the number density of MnS having a maximum diameter of  $IO\mu\pi I$  or more, and the number density of TiN having a maximum diameter of  $I\mu\pi I$  or more and independently present and not adhered to the inclusion, is 5/mm 2 or less.

No. of Pages: 53 No. of Claims: 3

(22) Date of filing of Application :03/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention: PROCESSES FOR THE PREPARATION OF (S)-3-4-((4-(MORPHOLINOMETHYL) BENZYL)OXY)-1-OXOISOINDOLIN-2-YL) PIPERIDINE-2,6-DIONE AND PHARMACEUTICALLY ACCEPTABLE FORMS 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C07D401/04 :61/681477 :09/08/2012 :U.S.A. :PCT/US2013/054099 :08/08/2013 :WO 2014/025978 :NA :NA	(71)Name of Applicant:  1)CELGENE CORPORATION Address of Applicant:86 Morris Avenue Summit NJ 07901 U.S.A. (72)Name of Inventor: 1)TRAVERSE John F. 2)ZHANG Chengmin 3)FEIGELSON Gregg B. 4)COHEN Benjamin M. 5)LEONG William W.
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### (57) Abstract:

Provided are processes for the preparation of enantiomerically enriched or enantiomerically pure 3-(4-((4-(morpholinomethyl) benzyl)oxy)- 1 -oxoisoindolin-2-yl)piperidine- 2,6-dione, or a pharmaceutically acceptable form thereof.

No. of Pages: 90 No. of Claims: 70

(21) Application No.883/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/02/2015

(43) Publication Date: 12/06/2015

### (54) Title of the invention: INSECTICIDAL CARTRIDGE

(51) International classification	:A01M13/00	(71)Name of Applicant:
(31) Priority Document No	:a 2012 08192	1)LOKSHIN Gleb Vladimirovitch
(32) Priority Date	:04/07/2012	Address of Applicant :prospekt Vernadskogo 127 kv. 214
(33) Name of priority country	:Ukraine	Moscow 119571 Russia
(86) International Application No	:PCT/RU2013/000533	(72)Name of Inventor:
Filing Date	:24/06/2013	1)LOKSHIN Gleb Vladimirovitch
(87) International Publication No	:WO 2014/007677	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An efficient safe and inexpensive insecticidal cartridge is proposed including a body an upper diaphragm having a priming through hole upper and lower paper diaphragms a lower diaphragm a smoke forming agent disposed within the body and an active substance providing insecticidal and/or acaricidal action disposed within the body interacting with the smoke forming agent during burning or smoldering thereof. The lower diaphragm may have a number of gas passing through holes overlaid with the lower paper diaphragm. The active substance may be dispersed within the smoke forming agent or may be separated therefrom by a separation diaphragm. Microcapsules and/or porous particles and/or pellets encapsulating or being impregnated with the active substance can be used. They can be distributed over the smoke forming agent or placed in a separate compartment arranged within the body being connected with the smoke forming agent. A fume passing channel and a filtering and gas passing element can be mounted within the body.

No. of Pages: 21 No. of Claims: 17

(22) Date of filing of Application :04/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention : BREWING ASSEMBLY FOR A MACHINE FOR THE PREPARATION OF BEVERAGES USING CAPSULES AND THE LIKE

(51) International classification (31) Priority Document No :TO2012A000672 (32) Priority Date :30/07/2012 (33) Name of priority country (86) International Application No Filing Date :29/07/2013 (87) International Publication No :WO 2014/02051	Address of Applicant :Corso Novara 59 I 10154 Torino Italy (72)Name of Inventor :  1)DE MANGO Carlo
(61) Patent of Addition to Application Number Siling Date (62) Divisional to Application Number Siling Date (57) Abstract	

#### (57) Abstract:

The brewing assembly (1) comprises a support structure (2) which is operationally stationary and in which is mounted: a movable part (4) including a cup shaped body (5) in which there is defined a receptacle (6) suitable for receiving a capsule (C) or the like containing a substance for the preparation of a beverage. Said movable part (4) is movable between an open and a closed position. When passing from the closed position to the open position the movable part (4) performs an initial movement away from a locating part (9) and a subsequent movement during which it substantially pivots about an at least approximately horizontal transverse axis. A disengagement member (30) protruding axially beyond the cup shaped body (5) towards the locating part (9) is fixed to the movable part (4) and is configured and arranged such that during the subsequent pivoting movement of the movable part (4) its path is able to interfere with a used capsule (C) which may be still attached to the locating part (9) so as to cause it to be detached therefrom.

No. of Pages: 17 No. of Claims: 3

(21) Application No.5938/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/07/2014 (43) Publication Date: 12/06/2015

### (54) Title of the invention: ELECTROSTATIC PRINTING

(51) International classification :C09D11/00,G03G9/08,G03G9/09 (71)Name of Applicant : (31) Priority Document No :NA

:16/01/2012

(32) Priority Date :NA (33) Name of priority country :NA

(86) International Application :PCT/EP2012/050578

Filing Date (87) International Publication :WO 2013/107498

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

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Address of Applicant: Limburglaan 5 NL 6221 SH Maastricht

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(72) Name of Inventor: 1)BAR HAIM Gil

2)OFIR Amir 3)MOR Ilanit

4)GRISHMAN Alina 5)TEISHEV Albert

### (57) Abstract:

Described herein is a method for electrostatic printing comprising: (i) providing an ink composition comprising: a hydrocarbon carrier liquid and particles comprising a resin and a colorant and wherein the ink composition contains less than 0.3 mg of charge director per g of solids in the ink composition; (ii) adding a charge director to the ink composition such that the total amount of charge director in the ink composition is at least 0.6 mg per g of solids in the ink composition and (iii) within a predetermined time of adding the charge director printing the ink onto a print medium in an electrostatic printing process wherein the predetermined time is 90 minutes or less. Also described herein is a packaged ink composition and method for producing it.

No. of Pages: 54 No. of Claims: 15

(21) Application No.830/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: APPARATUS FOR CONTROLLING THE LEARNING OF THE AIR FUEL RATIO OF AN INTERNAL COMBUSTION ENGINE

(51) International

:F02D41/14,F02D41/24,F02D41/30 classification

(31) Priority Document No :2012-242537 (32) Priority Date :02/11/2012 (33) Name of priority country: Japan

(86) International Application :PCT/IB2013/002298

No

:16/10/2013

Filing Date (87) International Publication :WO 2014/068378

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

(71)Name of Applicant:

1)TOYOTA JIDOSHA KABUSHIKI KAISHA

Address of Applicant: 1 Toyota cho Toyota shi Aichi ken 471-

(72) Name of Inventor:

1)ANDO Daigo

### (57) Abstract:

If an amount of fuel is not increased and a direct injection air fuel ratio learning has not been completed fuel injection from a port fuel injection valve is stopped without executing EGR fuel injection control is executed such that the fuel injection occurs only from an in cylinder fuel injection valve and the direct injection air fuel ratio learning is executed. If the amount of the fuel is increased the fuel injection from the port fuel injection valve is stopped without executing EGR and air fuel ratio feedback control and an engine and an EGR valve are controlled such that fuel injection occurs only from the in cylinder fuel injection valve.

No. of Pages: 43 No. of Claims: 6

(21) Application No.849/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention : PROCESS FOR DESIGNING DIVERGED CODON OPTIMIZED LARGE REPEATED DNA SEQUENCES

<ul> <li>(51) International classification</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> </ul>	:61/672114 :16/07/2012 :U.S.A. :PCT/US2013/050744 :16/07/2013 :WO 2014/014950 :NA	(71)Name of Applicant:  1)DOW AGROSCIENCES LLC  Address of Applicant:9330 Zionsville Road Indianapolis Indiana 46268 U.S.A. (72)Name of Inventor:  1)MERLO Donald J.  2)LARRINUA Ignacio 3)BEVAN Scott
	:NA :NA	S)BE VAN SCOU
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

This disclosure concerns methods for the design of synthetic nucleic acid sequences that encode polypeptide amino acid repeat regions. This disclosure also concerns the use of such sequences to express a polypeptide of interest that comprises amino acid repeat regions and organisms comprising such sequences.

No. of Pages: 77 No. of Claims: 25

(21) Application No.886/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/02/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention: METHODS OF TREATING CANCER USING 3-(4-((4-(MORPHOLINOMETHYL)BENZYL)OXY)-1-OXOISOINDOLIN-2-YL)PIPERIDINE 2, 6-DIONE

(51) International classification :A61K31/5377,G01N33/50,A61P35/00

(31) Priority Document No:61/681447

(32) Priority Date :09/08/2012

(33) Name of priority country :U.S.A.

(86) International PCT/US2013/0

Application No :PCT/US2013/054055

Filing Date :08/08/2013

(87) International Publication No :WO 2014/025960

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA

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(72)Name of Inventor: 1)SCHAFER Peter H. 2)GANDHI Anita

(57) Abstract:

Provided herein are methods of treating, preventing and/or managing cancers, which comprise administering to a patient 3-(4-((4-(morpholinomethyl)benzyl)oxy)-1-oxoisoindolin-2-yl) piperidine-2,6- dione, or an enantiomer or a mixture of enantiomers thereof, or a pharmaceutically acceptable salt, solvate, hydrate, co-crystal, clathrate, or polymorph thereof.

No. of Pages: 171 No. of Claims: 63

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: RADIO FREQUENCY IDENTIFICATION TAG

(51) International classification :G06K19/07,G06K19/077,G06K7/10

(31) Priority Document No :13/616428 (32) Priority Date :14/09/2012 (33) Name of priority

country :U.S.A.

(86) International :PCT/US2013/059614

Application No
Filing Date

113/09/2013

(87) International

Publication No :WO 2014/043445

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

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Address of Applicant: World Shaving Headquarters IP/Legal Patent Department 3E One Gillette Park Boston Massachusetts 02127 U.S.A.

(72)Name of Inventor:

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2) AMANN Mathias

3) JOYCE Jonathan Livingston

4)SHERMAN Faiz Feisal

5)BOURILKOV Jordan Todorov

6)MORROW Mark Wayne

7)DE CASTRO Jose Tadeo Vergara 8)MESCHKAT Stephan James Andreas

9)FRANKE Michael

### (57) Abstract:

A sensor system (1000) comprising a tag (100) which comprises a removable radio frequency chip (130) an antenna (140) disposed in electrical communication with the chip (130) and a non conductive coating (115) disposed upon a surface of the tag (100). The chip (130) comprises a memory element providing electrical storage of binary coded data and output terminals. The antenna (140) is in electrical communication with the output terminals. The non conductive coating covers the chip and defines a perimeter (125). The perimeter (125) is disposed over and exposes a portion of the antenna (140).

No. of Pages: 16 No. of Claims: 15

(21) Application No.543/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/01/2012 (43) Publication Date: 12/06/2015

# (54) Title of the invention : METHOD FOR DETECTING SHIFTS IN LINE IMAGES OBTAINED BY A SENSOR THAT IS AIRBORNE OR MOVING IN SPACE

<ul> <li>(51) International classification</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>	:G06T 7/00 :0955396 :31/07/2009 :France :PCT/EP2010/060988 :28/07/2010 :WO 2011/012663 :NA	(71)Name of Applicant: 1)ASTRIUM SAS Address of Applicant: 6 RUE LAURENT PICHAT, 75016 PARIS, FRANCE (72)Name of Inventor: 1)RENAUD FRAISSE 2)VINCENT CROMBEZ
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

Method for estimating shifts of line images obtained by an airbome or spaceborne scanning sensor. The invention relates to a method for estimating shifts in line images of an image, referred to as a composite image, made up of the juxtaposition of J line images. The line images show portions of a scene on the surface (S) of a celestial body that are different and successively acquired by a row of sensitive cells of a sensor (10) on board a vehicle flying over said celestial body. The shifts in the line images are induced by sighting errors of the sensor (10) during the acquisition of the line image Lj. According to the invention, the lateral and/or longitudinal shift of a line image Lj relative to a line image Lj, where j is different from i, is estimated according to a local model of lateral and/or longitudinal variation of the similarity between different line images. The invention also relates to a method for forming composite images using line images with shifts. ()

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

(21) Application No.590/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SUTURING SYSTEM AND ASSEMBLY

		(71)Name of Applicant:
(51) International design	A C1D 17/04	1)COLOPLAST A/S
(51) International classification	:A61B 17/04	Address of Applicant :HOLTEDAM 1, DK-3050
(31) Priority Document No	:PA 2009 70073	HUMLEBAEK, DENMARK
(32) Priority Date	:22/07/2009	(72)Name of Inventor:
(33) Name of priority country	:Denmark	1)STEVEN MCCLURG
(86) International Application No	:PCT/DK2010/050195	2)CHRISTOPHER A. THIERFELDER
Filing Date	:22/07/2010	3)ALLEN GAYNOR
(87) International Publication No	:WO 2011/009464	4)PORNPIMON NARTHASILPA
(61) Patent of Addition to Application	:NA	5)TIMOTHY A. BACHMANN
Number		6)CHRISTIAN R. TRIFILIO
Filing Date	:NA	7)MATTHEW V. LEYDEN
(62) Divisional to Application Number	:NA	8)NICHOLAS ELLERING
Filing Date	:NA	9)MICHAEL K. LUK
-		10)JAMES LEIGH LINDENBERG
		11)DONALD WOLF

### (57) Abstract:

A suturing assembly configured to place suture in tissue includes a handle having an actuator, a shaft coupled to the handle, and a head coupled to the shaft. The head includes a proximal portion housing a needle movable through a needle exit port and a distal end spaced apart from the proximal portion by a throat, the distal end defining a cavity. The actuator is configured to move the needle out of the needle exit port formed in the proximal portion of the head and across the throat to engage a capsule disposed in the cavity formed in the distal end of the head, the capsule attached to the suture.

No. of Pages: 57 No. of Claims: 73

(21) Application No.827/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention: NOVEL HETEROARYL AND HETEROCYCLE COMPOUNDS COMPOSITION AND METHODS **THEREOF**

(51) International

:C07D473/34,C07D487/04,A61K31/4985

classification

(31) Priority Document :PCT/CN2012/079290

(32) Priority Date :27/07/2012 (33) Name of priority :China

country

(86) International :PCT/CN2013/080195

Application No

:26/07/2013 Filing Date

(87) International

:WO 2014/015830 **Publication No** 

(61) Patent of Addition

:NA to Application Number :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)HUTCHISON MEDIPHARMA LIMITED

Address of Applicant: Building 4 720 Cailun Road ZJ. Hi

Tech Park Shanghai 201203 China

(72) Name of Inventor:

1)SU Wei guo 2)DAI Guangxiu 3)XIAO Kun 4)JIA Hong

5)ZHANG Zhulin

6) VENABLE Jennifer Diane 7)BEMBENEK Scott Damian

8) CHAI Wenving

# (57) Abstract:

Disclosed are novel heteroaryl and heterocycle compounds of formula I-l, 1-2 or 1-3 and pharmaceutical composi - tions comprising them, uses and methods thereof for inhibiting the activity of PI K and for treating inflammatory and autoimmune diseases and cancer.

No. of Pages: 266 No. of Claims: 39

(21) Application No.904/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

:WO 2014/034459

### (54) Title of the invention: PULL ON CLOTHING ARTICLE

(51) International classification:A61F13/49,A61F(31) Priority Document No:2012192682(32) Priority Date:31/08/2012

(33) Name of priority country :Japan

(86) International Application No Filing Date :19/08/2013

(87) International Publication No(61) Patent of Addition to Application

Number
Filing Date

(62) Divisional to Application Number
Filing Date

:NA
:NA
:NA
:NA
:NA

:A61F13/49,A61F13/56 (71)Name of Applicant :

1)UNICHARM CORPORATION

Address of Applicant: 182 Shimobun Kinsei cho Shikokuchuo

shi Ehime 7990111 Japan (72)Name of Inventor:
1)TAKINO Shunsuke

### (57) Abstract:

Provided is a pull on clothing article provided with tape fasteners that are not irritating even when in contact with the wearer's skin are capable of stable fastening and are easy to use. Of first and second waist regions (14 13) at least the first waist region (14) is elastic in the transverse direction (X). The tape fasteners (20) comprise a fixed section (21) that is fixed near the side region (18) and a free section (22) that has a region (68) for peelably fastening the tape fastener (20) to the outer surface of the second waist region (13). The pull on clothing article is characterized in that: the free section (22) has a grasping section (63) and an outer grasping end (20a) that extend outward in the transverse direction (X) from the fastener region (68); the outer grasping end (20a) is separably fixed to the non skin facing surface of the first waist region (14) near the outer edge (14d); and contraction of the region between the fastener region (68) and the outer grasping end (20a) in the first waist region (14) causes the grasping section (63) to assume a convex shape.

No. of Pages: 53 No. of Claims: 10

(21) Application No.6483/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/08/2014 (43) Publication Date: 12/06/2015

# (54) Title of the invention: PASSIVE SHUTDOWN SEALING DEVICE FOR A SYSTEM OF SHAFT SEALS OF A REACTOR COOLANT PUMP UNIT

(51) International classification: F16J15/00,F16J15/16,F16J15/34 (71) Name of Applicant: (31) Priority Document No :1250957 1)AREVA NP

:31/01/2013

(32) Priority Date Address of Applicant: 1 Place Jean Millier Tour Areva F :01/02/2012 (33) Name of priority country 92400 Courbevoie France :France

(86) International Application (72) Name of Inventor: :PCT/EP2013/051928 1)THUILLIER Romain

(87) International Publication No:WO 2013/113827

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

(57) Abstract:

Filing Date

The present invention relates to a passive shutdown sealing device (20) for a reactor coolant pump unit comprising: a split sealing ring (23) having an inactivated position in which a leakage flow is permitted and an activated position in which said ring stops said leakage flow; at least one piston (22) designed to position said split sealing ring (23) in its activated position; locking/unlocking means (25) designed to lock said at least one piston (22) in its inactivated position when the temperature of said locking/unlocking means is below a temperature threshold and to release said at least one piston (22) when the temperature of said locking/unlocking means is above said temperature threshold; elastic means (24) designed to move said at least one piston (22) when said piston is released so as to position said sealing ring (23) in its activated position.

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

(21) Application No.6484/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: TISSUE GRAFT ANCHORING

(51) International classification	:A61B17/04,A61F2/08	(71)Name of Applicant:
(31) Priority Document No	:13/363575	1)SMITH & NEPHEW INC.
(32) Priority Date	:01/02/2012	Address of Applicant :1450 Brooks Road Memphis Tennessee
(33) Name of priority country	:U.S.A.	38116 U.S.A.
(86) International Application No	:PCT/US2013/024231	(72)Name of Inventor:
Filing Date	:31/01/2013	1)PERRIELLO Michael James
(87) International Publication No	:WO 2013/116573	2)BERUBE Jr. Alfred Rodrigue
(61) Patent of Addition to Application	:NA	3)FERRAGAMO Michael Charles
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A fixation device (40) includes a member (26) defining at least two openings and a suture (24) tied to the member by passing the suture through the at least two openings in the member to form two suture loops through which ends of the suture pass. The two suture loops are interconnected. A method of securing a tissue graft includes providing the fixation member attaching the suture to a tissue graft and adjusting the length of the suture between the fixation member and the tissue graft by pulling the suture.

No. of Pages: 18 No. of Claims: 12

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: IMPLANTABLE BIOLOGIC 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 No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:31/01/2013 :WO 2013/116574 :NA	(71)Name of Applicant:  1)SMITH & NEPHEW INC.  Address of Applicant:1450 Brooks Road Memphis Tennessee 38116 U.S.A.  (72)Name of Inventor:  1)PERRIELLO Michael James 2)BERUBE JR. Alfred Rodrigue 3)BOWMAN Steven Mark 4)SLUSARZ JR. John Albert
		,
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A tissue graft suspension device (10) includes a platform member (16) a graft connecting element (18) coupled to the platform member such that a portion of the graft connecting element forms a loop for attachment to a tissue graft (22) and an enclosure member (20) coupled to the loop of the graft connecting element and configured to enclose a biologic material (30). The enclosure member defines an opening configured to receive the biologic material. The graft connecting element and the enclosure member are configured such that during use the tissue graft is coupled to the loop and in contact with the enclosure member.

No. of Pages: 23 No. of Claims: 20

(21) Application No.819/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: VEHICLE DOOR STORAGE COMPARTMENT

(51) International classification	:B60R7/04	(71)Name of Applicant :
(31) Priority Document No	:61/678929	1)JOHNSON CONTROLS TECHNOLOGY COMPANY
(32) Priority Date	:02/08/2012	Address of Applicant :915 East 32nd Street Holland Michigan
(33) Name of priority country	:U.S.A.	49423 U.S.A.
(86) International Application No	:PCT/US2013/053018	(72)Name of Inventor:
Filing Date	:31/07/2013	1)DASSEN Arne
(87) International Publication No	:WO 2014/022557	2)HIPSHIER Jason M.
(61) Patent of Addition to Application	:NA	3)MCCARTHY David J.
Number		4)BEECK Kyle B.
Filing Date	:NA	5)VANHOOF Randy
(62) Divisional to Application Number	:NA	6)BUTZ Andrew Robert
Filing Date	:NA	

# (57) Abstract:

A vehicle door assembly (16) having a support structure and an open storage compartment (28) coupled to the support structure. The open storage compartment (28) is positioned in a middle portion of the vehicle door assembly along a vertical axis of the vehicle door assembly. Further the open storage compartment (28) includes a cavity that is not within an armrest.

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

(22) Date of filing of Application :04/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention: LEAD ACID STORAGE BATTERY PACKAGING BODY FOR LEAD ACID STORAGE BATTERY AND TRANSPORT METHOD FOR LEAD ACID STORAGE 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> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:H01M2/12,H01M2/02 :2013-078301 :04/04/2013 :Japan :PCT/JP2014/001052 :27/02/2014 :WO 2014/162653 :NA :NA	(71)Name of Applicant:  1)PANASONIC INTELLECTUAL PROPERTY  MANAGEMENT CO. LTD.  Address of Applicant:1-61, Shiromi 2-chome, Chuo-ku, Osaka-shi, Osaka 540-6207 Japan (72)Name of Inventor:  1)SANO Kohei  2)YOSHIMURA Tsunenori 3)ISHIMAKI Kei
- 14	:NA :NA :NA	S)ISHIWAKI KCI

#### (57) Abstract:

A lead acid storage battery according to the present invention comprises: a plurality of polar plate groups in which a positive electrode plate and a negative electrode plate face each other with a separator therebetween; a cuboid battery container partitioned into a plurality of cell chambers by partition plates with each cell chamber having an open top and housing a plate group and an electrolyte therein; and a lid for sealing the opening of the battery container. The lid has: a plurality of corresponding valves positioned directly above the respective cell chambers; an upper lid for covering the tops of the valves; and a communication path allowing the valves to communicate with each other and having one end forming an outlet. The lead acid storage battery further comprises a tube having one end connected to the outlet facing the side surface of the battery container directly below the outlet and wound in a spiral shape.

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

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: PROCESS FOR THE MANUFACTURE OF A MULTILAYER SILICONE STRUCTURE

(51) International classification :B05D1/36,B05D1/38,B32B17/10 (71)Name of Applicant: (31) Priority Document No 1)MOMENTIVE PERFORMANCE MATERIALS GMBH :12179288.1 (32) Priority Date :03/08/2012 Address of Applicant: Kaiser Wilhelm Allee Gebude V 7, (33) Name of priority country 51368 Leverkusen Germany :EPO (86) International Application (72) Name of Inventor: :PCT/EP2013/066245 1)KRETSCHMANN Oliver No :02/08/2013 Filing Date 2)PUTZER Markus (87) International Publication 3) DE SANTIS Cristian :WO 2014/020136 4) RUPPENTHAL Andrea (61) Patent of Addition to 5)KOOPMANNS Carsten :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA

#### (57) Abstract:

Filing Date

Number

The present invention is directed to a process for the manufacture of a multilayer silicone structure of cured silicone elastomer layers wherein the compositions of each of the curable silicone elastomers are chosen such as to provide excellent layer to layer adhesion of the said cured silicone elastomer layers that is the layers do not suffer form cohesive failure. The multilayer silicone structures may be used for example for the manufacture of electronic devices coatings shaped molded articles laminates etc.

No. of Pages: 69 No. of Claims: 15

:NA

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: BUILT IN WARNING DEVICE FOR MONITORING TIRE PRESSURE

<ul> <li>(51) International classification</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>	:25/09/2012 :WO 2014/005381 :NA :NA	(71)Name of Applicant:  1)DONGGUAN NANNAR ELECTRONICS  TECHNOLOGY CO. LTD.  Address of Applicant: 3th Floor10th Building Wanhong  Village Wanjiang District Dongguan Guangdong 523050 China  (72)Name of Inventor:  1)LU Hongyan
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Disclosed is a built in warning device for monitoring tire pressure wherein a housing (1) is provided with a reference chamber (4) therein an inlet pipe (402) is extended from the reference chamber (4) to a valve stem (2) the inlet pipe (402) is provided therein with a reference chamber valve (7) able to seal and open the inlet pipe (402) and a valve core (702) of the reference chamber valve (7) is directly abutted tightly against a core stem (301) of a valve core (3). When inflating the valve core (3) is pushed to be open the core stem (301) of the valve core (3) is pushed against the valve core (702) and then the reference chamber valve (7) is opened such that the reference chamber (4) is inflated. After the inflation is accomplished the valve core (3) is restored and the reference chamber valve (7) is closed such that the reference chamber (4) is sealed off. When the pressure within the tire is much lower an elastic metal film (401) of the reference chamber wall face can form an outward deformation due to the pressure difference and when the deformed film comes into contact with the anode contact point of an alarm signal transmitting module (5) the alarm signal transmitting module (5) is electrified and sends out a signal then the signal is received by the warning device on board a vehicle and an alarm is sent out thereby. The warning device is of mechanical sensing type has a stable and reliable operation can be used in a severe operation environment has a low failure rate and further has relatively low costs.

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention : METHODS AND APPARATUSES FOR CONVEYING ABSORBENT ARTICLES IN A CONVERTING LINE

(51) International classification :A61F13/15,B65F (31) Priority Document No :13/616478 (32) Priority Date :14/09/2012 :U.S.A.

(86) International Application No Filing Date :10/09/2013

(87) International Publication No :WO 2014/043069 (61) Patent of Addition to Application :NA

Number
Filing Date

(62) Divisional to Application Number
Filing Date

:NA
Filing Date
:NA

:A61F13/15,B65H29/00 (71)Name of Applicant :

1)THE PROCTER & GAMBLE COMPANY

Address of Applicant :One Procter & Gamble Plaza Cincinnati

Ohio 45202 U.S.A. (72)Name of Inventor:

1)LENSER Todd Douglas 2)SCHNEIDER Uwe

3)ORDWAY David Carlton

#### (57) Abstract:

The apparatuses and methods herein may be configured to transport articles in the form of continuous lengths of substrates having thicknesses that varies along a machine direction and/or cross direction. The conveyance apparatuses may be configured to include a first carrier and second carrier wherein each carrier includes an endless belt positioned adjacent to the other so as to define a nip region between the endless belts the nip region extending in a machine direction and a cross direction. The carriers may also include compliant rollers in rolling contact with the endless belts. Each compliant roller may be elastomeric and adapted to provide a reaction force normal to the endless belt along the machine and/or cross direction of the nip region. As such the compliant rollers help maintain and hold the endless belts in contact with both relatively thin and thick areas of the substrate advancing through the nip region.

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: STACKED MEMORY DEVICE WITH METADATA MANAGEMENT

(51) International classification :G06F13/16,G06F11/10 (71)Name of Applicant : (31) Priority Document No 1)ADVANCED MICRO DEVICES INC. :13/567945 (32) Priority Date :06/08/2012 Address of Applicant :One AMD Place Sunnyvale California (33) Name of priority country :U.S.A. 94088 U.S.A. (86) International Application No (72) Name of Inventor: :PCT/US2013/053596 Filing Date :05/08/2013 1)LOH Gabriel H. (87) International Publication No :WO 2014/025676 2)OCONNOR James Michael (61) Patent of Addition to Application 3)BECKMANN Bradford M. :NA Number 4)IGNATOWSKI Michael :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

A processing system (100) comprises one or more processor devices (104) and other system components coupled to a stacked memory device (102) having a set of stacked memory layers (120) and a set of one or more logic layers (122). The set of logic layers implements a metadata manager (134) that offloads metadata management from the other system components. The set of logic layers also includes a memory interface (130) coupled to memory cell circuitry (126) implemented in the set of stacked memory layers and coupleable to the devices external to the stacked memory device. The memory interface operates to perform memory accesses for the external devices and for the metadata manager. By virtue of the metadata manager s tight integration with the stacked memory layers the metadata manager may perform certain memory intensive metadata management operations more efficiently than could be performed by the external devices.

(19) INDIA

(22) Date of filing of Application :20/01/2012

(21) Application No.605/DELNP/2012 A

(43) Publication Date: 12/06/2015

(54) Title of the invention: A COMPOUND-1

(51) International classification

(33) Name of priority country

(86) International Application No

(87) International Publication No

(61) Patent of Addition to Application

(62) Divisional to Application Number

(31) Priority Document No

(32) Priority Date

Number

Filing Date

Filing Date

Filed on

(71)Name of Applicant:

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:C07F 7/08

:60/432,549

:11/12/2002

:10/12/2003

:PCT/US2003/039554

:WO 2004/052310

:2181/delnp/2005

:24/05/2005

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16)SHAOPENG WANG

17)MILAN STOJANOVIC

18)DAVID J. KUCERA

19)RICHARD POLNIASZEK

20) CHARLES LEWIS

21)JOHN THOTTATHIL

22) DHILEEPKUMAR KRISHNAMURTY

23)MAOTANG X. ZHOU

24)PURUSHOTHAM VEMISHETTI

## (57) Abstract:

A compound of formula: or a salt thereof wherein: Ra is alkyl, phenyl, C1 to C6 alkylphenyl, or C1 to C6 alkoxyphenyl; Rb is C1 to C6 alkyl; R20 is hydrogen or benzyl; X is C1, I, or benzyloxy; Ry and Rz are taken together to form, methylene (=CH2), or Ry is OR23, and Rz is -CH2OR24, wherein R23 and R24 are each hydrogen or are taken together to form a ting to define a dioxolane, said dioxolane being optionally substituted with -O(C1-4alkyl) or-O(C=O)( C1-4alkyl); and R25 and R26 are both hydrogen, or one of R23 and R26 is hydrogen and the other is acyl; or R25 and R26are taken together to form =CH(OC1-4alkyl) or =CH(OC(=O)C1-4alkyl).

(21) Application No.6557/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :04/08/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: INFLATABLE SOLAR POWERED LAMP

<ul> <li>(51) International classification</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>	:F21L4/08 :61/721285 :01/11/2012 :U.S.A. :PCT/US2013/056182 :22/08/2013 :WO 2014/070291 :NA :NA	(71)Name of Applicant: 1)MPOWERD INC. Address of Applicant:231 West 29th Street Suite 1105 New York New York 10001 U.S.A. (72)Name of Inventor: 1)SNYDER Jason Alan
- 14/	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

A solar powered lamp is provided with flat ends and a translucent flexible housing such that the housing can be inflated to form a free standing cylinder. A solar panel faces outward on one of the flat ends for recharging a low profile rechargeable battery which under the control of a printed circuit panel powers an array of LEDs which point into the lamp housing. Reflective surfaces facing each other on opposite inside end walls of the lamp maximize the diffusion of light from the LEDs. The lamp is an durable portable long light lighting solution for those who live off the electric power grid victims of disaster and the like.

(19) INDIA

(22) Date of filing of Application :03/02/2015

(21) Application No.846/DELNP/2015 A

(43) Publication Date: 12/06/2015

## (54) Title of the invention: TRANSPORT USING GEOLOCATION

<ul> <li>(51) International classification</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>	:G06G7/78 :13/599989 :30/08/2012 :U.S.A. :PCT/US2013/056716 :27/08/2013 :WO 2014/035920 :NA :NA	(71)Name of Applicant:  1)AMAZON TECHNOLOGIES INC.  Address of Applicant: 1200 12th Avenue South Seattle WA 98144 2734 U.S.A. (72)Name of Inventor:  1)ARMATO Steven S.
11		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system comprises a delivery application executing on a processor of a delivery device. The application communicates a message indicating a problem associated with locating a destination site for a user. The system further comprises a user application executing on a processor of a user device. The user application communicates a message confirming that the user device is located at the destination site and communicates geocoordinates of the destination site. The system further comprises a vendor server communicatively coupled to the processor of the delivery device and the processor of the user device. The vendor server communicates with the user application to receive the geocoordinates of the destination site. The vendor server further communicates the geocoordinates of the destination site to the delivery application.

(22) Date of filing of Application :04/02/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: APPARATUS AND METHOD FOR PROVIDING PRODUCT INFORMATION

(51) International :G06K19/077,G06K7/00,G06K19/07 classification

(31) Priority Document No :13/616402 (32) Priority Date :14/09/2012 (33) Name of priority

:U.S.A. country

(86) International :PCT/US2013/059585 Application No

:13/09/2013 Filing Date

(87) International

:WO 2014/043429 **Publication No** 

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA

**Application Number** :NA Filing Date

(71)Name of Applicant:

1)THE GILLETTE COMPANY

Address of Applicant: World Shaving Headquarters IP/Legal Patent Department 3E One Gillette Park Boston Massachusetts

02127 U.S.A.

(72) Name of Inventor:

1)STRIEMER Grant Edward

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3) JOYCE Jonathan Livingston

4)SHERMAN Faiz Feisal

5)BOURILKOV Jordan Todorov

6)MORROW Mark Wayne

7)DE CASTRO Jose Tadeo Vergara

8)MESCHKAT Stephan James Andreas

9)FRANKE Michael

#### (57) Abstract:

A sensor system comprises a tag. The tag comprises at least one radio frequency chip and a first antenna. The chip comprises a memory element the memory element comprising electrical storage of a binary coded word comprising at least one bit and output terminals. The tag further comprises at least one conductive polymeric system disposed in electrical communication with at least one output terminal of the chip and adapted to change electrical state in association with a predetermined change in an environment of the conductive polymeric system. The first antenna is disposed in electrical communication with the output terminal(s) of the chip and the conductive polymeric system.

(21) Application No.927/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: FLUID ANALYSIS CARTRIDGE

:NA

:NA

(31) Priority Document No	:G01N35/08,B81B3/00,G01N1/10 :1020120076189 :12/07/2012	(71)Name of Applicant:  1)SAMSUNG ELECTRONICS CO. LTD.  Address of Applicant: 129 Samsung ro Yeongtong gu Suwon
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:Republic of Korea	si Gyeonggi do 443 742 Republic of Korea
(86) International Application No Filing Date (87) International Publication No	:PCT/KR2013/006189 :11/07/2013 :WO 2014/010960	(72)Name of Inventor: 1)LEE Seung Jun 2)KIM Seung Hoon 3)MIN Jung Ki 4)KIM Soo Hong
(61) Patent of Addition to Application Number	:NA :NA	

## (57) Abstract:

Number

Filing Date

Filing Date

(62) Divisional to Application

A fluid analysis cartridge and a method for manufacturing the same are provided. The fluid analysis cartridge includes an inspection unit configured to receive and inspect the fluid sample a housing comprising at least one supply hole that is configured to supply the fluid sample to the inspection unit and a filtering unit disposed between the supply hole of the housing and the inspection unit and configured to filter a specific substance present in the fluid sample.

(21) Application No.581/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

## (54) Title of the invention: GENERATION OF INDUCED PLURIPOTENT STEM CELLS FROM CORD BLOOD

<ul> <li>(51) International classification</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>	:C12N 5/074 :61/218,611 :19/06/2009 :U.S.A. :PCT/US2010/039222 :18/06/2010 :WO 2010/148334 :NA :NA	(71)Name of Applicant:  1)THE SALK INSTITUTE FOR BIOLOGICAL STUDIES Address of Applicant: 10010 NORTH TORREY PINES ROAD, LA JOLLA, CALIFORNIA 92037 U.S.A.  2)CENTER OF REGENERATIVE MEDICINE OF BARCELONA, SPAIN (72)Name of Inventor: 1)GIORGETTI, ALESSANDRA 2)IZPISUA BELMONTE, JUAN CARLOS
Filing Date	:NA	

(57) Abstract:

Methods and compositions for the generation and use of genetically corrected induced pluripotent stem cells are provided.

(21) Application No.696/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :11/03/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: VARIABLE SPEED MOTOR DRIVE FOR INDUSTRIAL 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>	B02C25/00 :13/830,798 :14/03/2013 :U.S.A. :NA :NA	, , , , , , , , , , , , , , , , , , , ,
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An industrial machine that includes a breaker motor having a rotational speed, a breaker shaft, a sensor, and a controller. The breaker shaft is mechanically coupled to an output of the breaker motor, and the breaker shaft includes a plurality of tools operable to crush a material. The sensor is configured to generate a signal related to a parameter of the breaker motor. The controller is configured to receive the signal from the sensor, determine a value for the parameter of the breaker motor based on the received signal, compare the value for the parameter of the breaker motor to a threshold value, and generate a control signal for modifying the rotational speed of the breaker motor based on the comparison of the value for the parameter of the breaker motor to the threshold value.

(21) Application No.831/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : COAL FIRED BOILER FACILITIES AND COAL DRYING METHOD IN COAL FIRED BOILER FACILITIES

(51) International classification: F23K1/00,F23J15/00,F23L15/00 (71) Name of Applicant: (31) Priority Document No 1)MITSUBISHI HEAVY INDUSTRIES LTD. :13/613635 (32) Priority Date Address of Applicant: 16 5 Konan 2 chome Minato ku Tokyo :13/09/2012 (33) Name of priority country 1088215 Japan :U.S.A. (86) International Application (72) Name of Inventor: :PCT/JP2013/073232 1)SUGITA Satoru :29/08/2013 2)HONJO Shintaro Filing Date (87) International Publication 3)OKAMOTO Takuya :WO 2014/042013 No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

This coal fired boiler facility comprises: a coal dryer (11) for drying coal; a boiler (14) for burning coal dried with the coal dryer (11) mixed with air for burning; an air heater (15) for heating with the flue gas discharged from the boiler (14) air for burning that is supplied to the boiler (14); a dust collector (17) for collecting dust contained in the flue gas; a desulfurization device (18) for performing desulfurization treatment on the flue gas; and a heat recovery device (16) for heating a heating medium with the flue gas. The coal dryer (11) dries the coal using the thermal energy of the heating medium heated with the heat recovery device (16).

(22) Date of filing of Application :03/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: METHOD AND DEVICE FOR APPROXIMATING 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</li> </ul>	:A61B17/04 :13/629112 :27/09/2012 :U.S.A. :PCT/US2013/060308 :18/09/2013 :WO 2014/052109 :NA	(71)Name of Applicant: 1)ETHICON INC. Address of Applicant: P.O. Box 151 U.S. Route 22 Somerville New Jersey 08876 U.S.A. (72)Name of Inventor: 1)FLINT James A.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A wound closure device (100) including a first tissue anchor (102) with a first suture filament (110) fixedly coupled thereto at a proximal end and extending along a length to a free distal end (114) and a second tissue anchor (104) with a second suture filament (112) fixedly coupled thereto at a proximal end and extending along a length to a free distal end (120). The first suture filament is configured to form a slip knot (116) at its proximal end substantially adjacent the first tissue anchor and the second suture is configured to form a slip knot (122) at its proximal end substantially adjacent the second tissue anchor. The length of the first suture filament passes through the slip knot of the second suture filament passes through the slip knot of the first suture filament.

(21) Application No.929/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/02/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: THREE BAND WHIP ANTENNA

(51) International classification: H01Q21/30,H01Q5/00,H01Q9/32 (71)Name of Applicant: (31) Priority Document No :61/680604 1)COMROD AS :07/08/2012 (32) Priority Date Address of Applicant: Fiskveien 1 N 4120 Tau Norway (33) Name of priority country :U.S.A. (72)Name of Inventor:

(86) International Application :PCT/NO2013/050124 No 2)BAKKE Vidar

:25/07/2013 Filing Date

(87) International Publication :WO 2014/025263

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number :NA Filing Date

1)EIDE Jo Morten

## (57) Abstract:

A three band whip antenna (1) having a base (4) where the whip antenna (1) along its whole length or part of its length has a lowest frequency band antenna element (8) and an intermediate frequency band antenna element (10) wherein a highest frequency band antenna (12) is included in the whip antenna (1) at a position closer to base (4) than the intermediate frequency band antenna element (10).

(21) Application No.822/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: TAMPER EVIDENT CLOSURE

(51) International classification	:B65D55/02,B65D41/62	(71)Name of Applicant:
(31) Priority Document No	:MI2012A001324	1)GUALA CLOSURES S.P.A.
(32) Priority Date	:27/07/2012	Address of Applicant :Via Rana 12 Frazione Spinetta Marengo
(33) Name of priority country	:Italy	I-15122 Alessandria Italy
(86) International Application No	:PCT/EP2013/065761	(72)Name of Inventor:
Filing Date	:25/07/2013	1)JOHNSON Stuart
(87) International Publication No	:WO 2014/016391	2)MITTINO Maurizio
(61) Patent of Addition to Application	:NA	3)GIOVANNINI Marco
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a tamper evident closure (1) comprising a pourer (20) with a lower part (30) and an upper part (40) movable relative to the lower part (30) from a first position to a second position a cap (50) attachment means (80) for attaching the cap (50) with the upper part (40). In the first position the cap (50) and the lower part (30) are adjacent and the outer surface (52) of the cap (50) is able to be grasped for opening the container (10). Upon first opening rotation of the cap (50) causes the upper part (40) and the cap (50) to move relative to the lower part (30) from the first position to the second position. In the second position there is a gap between the cap (50) and the lower part (30) and the upper part (40) and the lower part (30) are adapted to become mutually irreversibly locked so that the attachment means (80) can be released to remove the cap (50) from the upper part (40).

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : METHOD FOR OPERATING A GAS TURBINE ENGINE INCLUDING A COMBUSTOR SHELL AIR RECIRCULATION SYSTEM

(51) International classification: F01D21/00,F01D25/14,F02C6/08 (71) Name of Applicant: (31) Priority Document No 1)SIEMENS AKTIENGESELLSCHAFT :13/603804 (32) Priority Date :05/09/2012 Address of Applicant: Wittelsbacherplatz 2 80333 M¹/₄nchen (33) Name of priority country :U.S.A. Germany (72) Name of Inventor: (86) International Application :PCT/US2013/056720 1)LEE Ching Pang :27/08/2013 Filing Date 2)LANDRUM Evan C. (87) International Publication 3)ZHANG Jiping :WO 2014/039315 No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

During full load operation of gas turbine engine operation a valve system is maintained in a closed position to substantially prevent air from passing through a piping system of a shell air recirculation system. Upon initiation of a turn down operation which is implemented to transition the engine to a turning gear state or a shut down state the valve system is opened to allow air to pass through the piping system. A blower is operated to extract air through at least one outlet port of the shell air recirculation system from an interior volume of an engine casing portion associated with the combustion section to convey the extracted air through the piping system and to inject the air into the interior volume of the engine casing portion through at least one inlet port of the shell air recirculation system to circulate air within the engine casing portion.

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: NOVEL PYRROLOPYRIMIDINE COMPOUNDS AS INHIBITORS OF PROTEIN KINASES

(51) International (71)Name of Applicant: :C07D487/04,A61K31/52,A61P35/00 classification 1)ACEA BIOSCIENCES INC. (31) Priority Document No :61/680231 Address of Applicant: 6779 Mesa Ridge Rd. Suite 100 San (32) Priority Date :06/08/2012 Diego CA 92121 U.S.A. (72)Name of Inventor: (33) Name of priority :U.S.A. country 1)XU Xiao (86) International 2)WANG Xiaobo :PCT/US2013/050163 Application No 3)MAO Long :11/07/2013 Filing Date 4)ZHAO Li (87) International 5)XI Biao :WO 2014/025486 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

## (57) Abstract:

The present invention relates to certain pyrrolopyrimidine derivatives, pharmaceutical compositions con taining them, and methods of using them, including methods for the treatment of proliferation disorders and other diseases related to the dysregulation of kinase (such as, but not lim ited to, EGFR (including HER), Alk, PDGFR, BLK, BMX/ETK, BTK, FLT3(D835Y), ITK, JAK1, JAK2, JAK3, TEC and TXK) and/or the respective pathways.

(22) Date of filing of Application :05/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention : METHOD AND APPARATUS TO POSTPONE UE FROM HANDOVER TO AN OVERLOADED RADIO NETWORK FROM ANOTHER RADIO 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04W48/06 :61/679893 :06/08/2012 :U.S.A. :PCT/IB2013/056069 :24/07/2013 :WO 2014/024073 :NA :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)JANG Ke Chi
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#### (57) Abstract:

A node of a secondary RAT that is in communication with a primary node of a primary RAT and UEs that are able to communicate by way of the primary and secondary RATs. The node concludes a network interface unit of the node which receives a message from the primary node that indicates that the primary RAT is in an overload condition. The node includes a processing unit of the node which forms UE messages for the UEs not to try to communicate with the primary RAT the network interface unit of the node sending the messages to the UEs. A method of a node of a secondary RAT that is in communication with a primary node of a primary RAT and UEs that are able to communicate by way of the primary and secondary RATs.

(21) Application No.594/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

## (54) Title of the invention: BEARING STEELS

(51) International classification	:C22C 38/22	(71)Name of Applicant:
(31) Priority Document No	:0912669.9	1)AKTIEBOLAGET SKF
(32) Priority Date	:21/07/2009	Address of Applicant :HORNSGATAN 1, S-415 50
(33) Name of priority country	:U.K.	GOTEBORG, Sweden
(86) International Application No	:PCT/GB2010/001373	(72)Name of Inventor:
Filing Date	:20/07/2010	1)AIDAN MICHAEL KERRIGAN
(87) International Publication No	:WO 2011/010088	2)MOHAMED SHERIF
(61) Patent of Addition to Application	:NA	3)HENRIK KARLSSON
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

There is provided a novel bearing steel composition and a method of forming a bearing. The bearing steel composition comprises: Carbon 0.4 to 0.8 wt%; Nitrogen 0.1 to 0.2 wt%; Chromium 12 to 18 wt%; Molybdenum 0.7 to 1.3 wt%; Silicon 0.3 to 1 wt%; Manganese 0.2 to 0.8 wt%; and Iron 78 to 86.3 wt%.

(21) Application No.5940/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/07/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : SYSTEM METHOD AND COMPUTER PROGRAM ARRANGED TO FACILITATE A TRANSACTION

<ul> <li>(51) International classification</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> </ul>	:2012001087 :06/01/2012 :Singapore :PCT/SG2013/000006 :04/01/2013 :WO 2013/103323 :NA	(71)Name of Applicant:  1)SMART HUB PTE. LTD.  Address of Applicant: 100 Beach Road #25 06 Shaw Towers Singapore 189702 Singapore (72)Name of Inventor:  1)IBASCO Alex D.
Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A computing device for facilitating transactions between one or more remote devices the device comprising a processing module arranged to interact with the one or more remote devices via a communications network and a database arranged to contain information regarding the state of one or more transaction channels in relation to an account wherein the module is arranged to receive instructions via the communications network from the one or more remote devices and provide information regarding the state of the one or more transaction channels is disclosed.

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

## (54) Title of the invention: OFFSHORE DRILLING 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:E21B 15/02 :61/228,094 :23/07/2009 :U.S.A. :PCT/US2010/042731 :21/07/2010 :WO 2011/011505 :NA :NA	(71)Name of Applicant:  1)BP CORPORATION NORTH AMERICA INC. Address of Applicant:4101 WINFIELD ROAD, WARRENVILLE, IL 60555 U.S.A. (72)Name of Inventor: 1)PAYNE, MICHAEL, L.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

According to one or more aspects of the invention, a method for drilling an offshore wellbore into a seabed from a platform positioned proximate to the water surface comprises making-up a first tubular string with a first conveyance assembly and running the first tubular string into the wellbore with the first conveyance assembly, wherein the first tubular string enters the wellbore from the water column at an entry position proximate to the seabed; performing a wellbore task with the first tubular string; while the wellbore task is being performed with the first tubular string, making-up a second tubular string in the water column from a second conveyance assembly; withdrawing the first tubular string from the wellbore with the first conveyance assembly once the wellbore task is completed; and running the second tubular string with the second conveyance assembly into the wellbore at the entry point from the water column.

(21) Application No.820/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : BACLOFEN AND ACAMPROSATE BASED THERAPY OF MACULAR DEGENERATION DISORDERS

(51) International classification :A61K31/185,A61K31/197,A61P27/02

(31) Priority Document No:61/672893

(32) Priority Date :18/07/2012

(33) Name of priority :U.S.A.

country

(86) International Application No :PCT/EP2013/065209

Filing Date :18/07/2013

(87) International Publication No :WO 2014/013025

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)PHARNEXT

Address of Applicant :11 rue des Peupliers F 92130 Issy Les

Moulineaux France
(72)Name of Inventor:
1)COHEN Daniel
2)CHUMAKOV Ilya

3)NABIROCHKIN Serguei

## (57) Abstract:

The present invention relates to combinations and methods for the treatment of macular degeneration disorders. More specifically the present invention relates to novel combinatorial therapies of Age related Macular Degeneration based on baclofen and acamprosate combination.

(21) Application No.895/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention : BESPOKE WOUND TREATMENT APPARATUSES AND METHODS FOR USE IN NEGATIVE PRESSURE WOUND 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 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>(22) Privitive Material Application Number</li> </ul>	:61/681093 :08/08/2012 :U.S.A. :PCT/IB2013/002494 :08/08/2013 :WO 2014/024048 :NA :NA	(71)Name of Applicant:  1)SMITH & NEPHEW PLC Address of Applicant:15 Adam Street London WC2N 6LA U.K. (72)Name of Inventor:  1)HARTWELL Edward Yerbury 2)RICHARDSON Mark 3)SAXBY Carl
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Methods and apparatuses are disclosed relating to the creation and use of bespoke wound fillers and other wound treatment apparatuses. Some embodiments provide for the creation of bespoke wound fillers based on characteristics of a wound. Certain embodiments also include the use of bespoke wound fillers in combination with negative pressure to treat a wound.

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: REACTOR AND REACTOR MANUFACTURING METHOD AND POWER CONVERTER

:H01F27/02,H01F27/40 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)TOYOTA JIDOSHA KABUSHIKI KAISHA :2012248585 (32) Priority Date Address of Applicant: 1 Toyota cho Toyota shi Aichi ken 471 :12/11/2012 (33) Name of priority country :Japan 8571 Japan (72)Name of Inventor: (86) International Application No :PCT/IB2013/002730 Filing Date :05/11/2013 1)MIYAMOTO Shingo (87) International Publication No :WO 2014/072815 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

A manufacturing method for a reactor in which resin for covering at least a part of a coil is formed integrally with the coil comprise a step of manufacturing a molded product and a step of attaching a temperature sensor such that the temperature sensor is opposed to a first face. The step of manufacturing the molded product includes following i) to iii): i) arranging the reactor in a cavity space for injection molding of resin; ii) fixing the coil with the surface of a mold brought into contact with the first face and a second face located at positions which sandwich the coil on the periphery of the coil; and iii) injecting resin into the cavity space to cover at least a coil surface around the first face and a coil surface around the second face with the resin with the first face and the second face exposed.

(21) Application No.772/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: LOAD DISTRIBUTION ESTIMATION

(51) International classification	:F03D11/00, G01L5/00	(71)Name of Applicant : 1)Frontier Wind, LLC
(31) Priority Document No	:13/837,418	Address of Applicant :100 Four Falls Corporate Center, Suite
(32) Priority Date	:15/03/2013	215, West Conshohocken, PA 19428, U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:NA	1)Jonathan Paul BAKER
Filing Date	:NA	2)Edward Anthony MAYDA
(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	
		1

#### (57) Abstract:

A system and method for pressure based load measurement are provided. The system and method measure at least one pressure differential on an airfoil and determine at least one aerodynamic load associated with the at least one pressure differential. The determined at least one load is used to modify characteristics of the airfoil to increase efficiency and/or avoid damage. The determined at least one aerodynamic load may be further utilized to balance and/or optimize loads at the airfoil, estimate a load distribution along the airfoil used to derive other metrics about the airfoil, and/or used in a distributed control system to increase efficiency and/or reduce damage to, e.g., one or more wind turbines.

(21) Application No.843/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: METHOD OF PROMOTING WOUND HEALING

(51) International classification :A61K31/7088,A61K38/17,A61P17/02

(31) Priority Document No :2012-056149 (32) Priority Date :27/07/2012

(33) Name of priority
:Singapore

country .Singapore (86) International

Application No
Filing Date

PCT/SG2013/000316
:29/07/2013

(87) International :WO 2014/017987

Publication No
(61) Patent of Addition to
Application Number
Filing Date
:NA
:NA

(62) Divisional to Application Number Filing Date :NA (71)Name of Applicant:

1)AGENCY FOR SCIENCE TECHNOLOGY AND

RESEARCH (ASTAR)

Address of Applicant :1 Fusionopolis Way #20-10 Connexis

Singapore 138632 Singapore (72)Name of Inventor:

1)SAMPATH Prabha

## (57) Abstract:

Disclosed is a method of promoting wound healing or wound closure. The method comprises administration of a miR-198 inhibitor and/or a follistatin-like- 1 (FSTLI) polypeptide. Also disclosed are method of treating chronic cutaneous wounds, method of identifying a non-healing wound, use and a pharmaceutical composition comprising a miR-198 inhibitor and/or a follistat in-like- 1 (FSTLI) polypeptide.

(22) Date of filing of Application :04/02/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: DIAPER STRUCTURE WITH ENHANCED TACTILE SOFTNESS ATTRIBUTES

:A61F13/513,A61F13/514 (71)Name of Applicant : (51) International classification

:NA

(31) Priority Document No :61/678163 (32) Priority Date :01/08/2012 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2013/052676

Filing Date :30/07/2013 (87) International Publication No :WO 2014/022362

(61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number: NA Filing Date

1) THE PROCTER & GAMBLE COMPANY

Address of Applicant :One Procter & Gamble Plaza Cincinnati

Ohio 45202 U.S.A.

(72) Name of Inventor:

1)XU Han

2)FERRER John

#### (57) Abstract:

A diaper structure with enhanced softness attributes is disclosed. The diaper structure may include an innermost layer formed of a first nonwoven web and an outermost layer formed of a second nonwoven web. The first and second nonwoven webs may have a combined basis weight of at least about 30 gsm. The ratio of the first web basis weight to the second web basis weight may range from 30/70 to 70/30. Each of the webs may have a preconversion density no greater than 65 kg/m. Each of the webs may have a compression loft of at least 30%. Characteristics affecting pressure diffusion at tactile pressure points may be balanced within ranges between the first and second webs to provide similar tactile pressure diffusion characteristics for the inside and outside of the diaper.

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: AMMONIA STORAGE UNIT AND ASSOCIATED STRUCTURE 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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> </ul>	:F01N3/20,F01N13/16 :12305993.3 :09/08/2012 :EPO :PCT/EP2013/066770 :09/08/2013 :WO 2014/023841 :NA :NA	(71)Name of Applicant:  1)AAQIUS & AAQIUS SA   Address of Applicant :rue du Nant 8 c/o FIREL & MANDACO SA CH 1207 Geneve Switzerland (72)Name of Inventor:  1)DEMENTHON Jean Baptiste 2)LEVY Michael Francis
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Unit for storing gas by absorption or adsorption comprising a chamber containing a storage element (702, 704) that stores gas by absorption or adsorption characterized in that it further comprises a compressible element (712) also provided within the chamber and kept in contact with the storage element (702, 704) and designed to deform under the action of loads applied by the storage element (702, 704) upon variations in volume of the storage element (702, 704) during phases of storing gas and releasing gas from storage so as to limit the loads applied to the chamber.

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: FOOT PROPELLED WHEELED HOBBY AND/OR SPORT DEVICE

(51) International classification: B62K1/00,A63C17/08,B62K3/00 (71)Name of Applicant: 1)UNGAR Soma Gabor (31) Priority Document No :P 1200416 (32) Priority Date :11/07/2012 Address of Applicant : Afonya utca 9 H 1025 Budapest (33) Name of priority country :Hungary Hungary (86) International Application (72) Name of Inventor: :PCT/HU2013/000065 No 1)UNGAR Soma Gabor :08/07/2013 Filing Date (87) International Publication :WO 2014/009760 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

#### (57) Abstract:

The invention is a foot propelled wheeled hobby and/ or sport device which has a central wheel (1) a frame (4) including side plates (20) connected to each other and located on both sides of the central wheel (1) at a distance from it and foot plates (5) on the lower part of the side plates (20) protruding outwards from them located below the wheel axle (6) which has a wheel hub (2) and furthermore a satellite wheel (7) connected to the frame (4) with a diameter smaller than the central wheel (1). The essence of the invention is that from the point of view of the main propelling direction of the device the satellite wheel (7) is located in front of the central wheel (1). The frame (4) has front and rear frame members (21a, 21b) stiffening the side plates (20) running along their side edges opposite each other. Stable stiffening members are connected at the end parts of the foot plates (5) to the lower ends of the frame members (21a, 21b). The height above the ground of the running surface of the satellite wheel (7) is selected with consideration to the flexibility of the flexibly deformable tyre of the central wheel (1) so that when the wheel tyre (23) is depressed on the effect of the weight of an averagely built person using the device the satellite wheel (7) comes into contact with the ground so ensuring that the foot plates (5) are horizontal or essentially horizontal

(22) Date of filing of Application :02/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention : PROCESS FOR THE PREPARATION OF 4 AMINO 5 FLUORO 3 HALO 6 (SUBSTITUTED)PICOLINATES

<ul> <li>(51) International classification</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>	:C07D213/803 :61/675235 :24/07/2012 :U.S.A. :PCT/US2013/051623 :23/07/2013 :WO 2014/018502 :NA :NA :NA	(71)Name of Applicant:  1)DOW AGROSCIENCES LLC Address of Applicant:9330 Zionsville Road Indianapolis IN 46268 U.S.A. (72)Name of Inventor: 1)RENGA James M. 2)CHENG Yang 3)MUHUHI Joseck M. 4)PODHOREZ David E. 5)ROTH Gary A. 6)WEST Scott P. 7)WHITEKER Gregory T. 8)ZHU Yuanming
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## (57) Abstract:

Provided herein are processes for the preparation of 4-amino-5-fluoro-3-halo-6-(substituted)picolinates comprising a step of converting chloropicolinoyl chlorides to fluoropicolinoyl fluorides.

(22) Date of filing of Application :02/02/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: LIGHTER THAN AIR CRAFT FOR ENERGY PRODUCING TURBINES

(51) International classification :B64B1/02,B64B1/50,F03D9/00 (71)Name of Applicant :

(31) Priority Document No :13/565916 (32) Priority Date :03/08/2012

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2013/053421

Filing Date :02/08/2013 (87) International Publication No: WO 2014/022770

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)ALTAEROS ENERGIES INC.

Address of Applicant :337 Summer Street Floor O Boston MA

02210 U.S.A.

(72) Name of Inventor:

1)GLASS Benjamin W.

#### (57) Abstract:

A wind based power generating system provides a wind energy converter for converting wind energy into another form of energy using a lighter than air craft configured to produce a positive net lift. The net lift includes both a net aerodynamic lift and a net buoyant lift. A tethering mechanism is configured to restrain the lighter than air craft with respect to the ground. The lighter than air craft defines an interior volume for containing a lighter than air gas and the lighter than air craft has a fore section and an aft section. The tethering system has at least one attachment point on the fore section of the lighter than air craft and at least one attachment point on the aft section of the lighter than air craft. The lighter than air craft provides a stable aerodynamic moment with respect to a yaw axis about a center of mass of the lighter than air craft. The craft can be formed in a variety of aerodynamic profiles/shapes.

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: GAS TURBINE ENGINE WITH RADIAL DIFFUSER AND SHORTENED MID SECTION

<ul> <li>(51) International classification</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>	:13/602422 :04/09/2012 :U.S.A.	(71)Name of Applicant:  1)SIEMENS ENERGY INC.  Address of Applicant: 4400 Alafaya Trail Orlando Florida 32826-2399 U.S.A. (72)Name of Inventor:  1)CHARRON Richard C. 2)MONTGOMERY Matthew D.
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#### (57) Abstract:

An industrial gas turbine engine (10) including: a can annular combustion assembly (80) having a plurality of discrete flow ducts configured to receive combustion gas from respective combustors (82) and deliver the combustion gas along a straight flow path at a speed and orientation appropriate for delivery directly onto the first row (56) of turbine blades (62); and a compressor diffuser (32) having a redirecting surface (130 140) configured to receive an axial flow of compressed air and redirect the axial flow of compressed air radially outward

(21) Application No.917/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/02/2015 (43) Publication Date: 12/06/2015

#### (54) Title of the invention: SCOOTER TYPE VEHICLE

(51) International classification :B62J99/00,B62J9/00,B62K11/10 (71)Name of Applicant:

:WO 2014/038304

(31) Priority Document No :2012196367 (32) Priority Date :06/09/2012

(33) Name of priority country :Japan

(86) International Application :PCT/JP2013/070193 No

:25/07/2013 Filing Date

(87) International Publication

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1) SUZUKI MOTOR CORPORATION

Address of Applicant: 300 Takatsuka cho Minami ku

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(72) Name of Inventor: 1)EGUCHI Takuya 2)FUKUI Akihito

3)OHASHI Atsushi 4)MURAMATSU Go

(57) Abstract:

The present invention has: a power unit (5) supported by a vehicle frame (11) in a manner so as to be able to oscillate; an air intake system (54) that includes a throttle body (543) that adjusts the amount of air for combustion; an air intake pipe (544) connecting the throttle body (543) and an air intake port (601) in a manner so that air for combustion can flow through; and an article housing section (17) provided to the top of the power unit (5). The power unit (5) is supported by the vehicle frame (11) at the bottom thereof in a manner so as to be able to oscillate; the air intake pipe (544) interconnects with the air intake port (601) from the diagonal top with respect to the direction of vehicle width; and a fuel injection device (602) is between a cylinder assembly (51) and the article housing section (17) and is provided to the upper surface of a cylinder head (512) of the cylinder assembly (51).

(21) Application No.938/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/02/2015

(43) Publication Date: 12/06/2015

## (54) Title of the invention: METHOD AND CONTROL DEVICE FOR A WIND TURBINE AND COMPUTER PROGRAM PRODUCT DIGITAL STORAGE MEDIUM AND WIND TURBINE

(51) International classification :F03D1/00,F03D7/02,F03D7/04 (71)Name of Applicant :

(31) Priority Document No :10 2012 215 575.9

(32) Priority Date :03/09/2012 (33) Name of priority country :Germany

(86) International Application No :PCT/EP2013/062867

Filing Date :20/06/2013

(87) International Publication No: WO 2014/032826

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)WOBBEN PROPERTIES GMBH

Address of Applicant :Dreekamp 5 26605 Aurich Germany

(72)Name of Inventor:

1)BAUMG,,RTEL Christian

#### (57) Abstract:

The invention relates to a method for operating a wind turbine (1000) in which method the rotor (3) is brought to a standstill and locked having the steps: braking the rotor (3); positioning the rotor (3) in a standstill position; immobilizing the rotor (3) in the standstill position (P1, P2). It is provided according to the invention that a final position is predefined (S2) the rotor (3) is braked (S-I) in controlled fashion to a standstill position assigned to the final position and for the positioning (S-II) for the predefined final position the rotor is automatically braked until it comes to a standstill in the standstill position and for the immobilization (S-III) in the standstill position a mechanical immobilizing device is engaged in particular automatically.

(21) Application No.854/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention : COMMUNICATION SECURED BETWEEN A MEDICAL DEVICE AND ITS REMOTE 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</li> <li>Number</li> <li>Filing Date</li> </ul>	:G06F19/00,H04L9/08 :12175498.0 :09/07/2012 :EPO :PCT/IB2013/055626 :09/07/2013 :WO 2014/009876 :NA :NA	(71)Name of Applicant:  1)DEBIOTECH S.A. Address of Applicant: Immeuble Le Portique Av. de Svelin 28 CH 1004 Lausanne Switzerland (72)Name of Inventor: 1)NEFTEL Frdric 2)GRIGIS Christian 3)BAUERMEISTER Pascal 4)PROENNECKE Stephan
Number Filing Date		4)PROENNECKE Stephan
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention comprises a medical assembly composed by a medical device and a remote control which communicate in a secure and wireless manner. The remote control is connected to at least one security token. Key information stored in the medical device and the security token is used to establish a connection and to communicate in a secure manner.

(21) Application No.911/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: NOVEL REGULATORY SYSTEM FOR CONTROLLING GENE EXPRESSION IN PLANTS

(51) International classification :C07K14/415,C12N15/62,C12N15/82

(31) Priority Document No :2583/DEL//2012 (32) Priority Date :21/08/2012

(33) Name of priority :India

country

(86) International PCT/US2013/055791 Application No

Filing Date :20/08/2013

(87) International Publication No :WO 2014/031643

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant:

1)E. I. DU PONT DE NEMOURS AND COMPANY Address of Applicant :1007 Market Street Wilmington DE

19899 U.S.A.

(72)Name of Inventor:

1)BODDEPALLI Janardhana Rao

2)MOHANTY Amitabh 3)OSCAR Michelle

4)PARAMESWARAN Sriram

## (57) Abstract:

The present invention relates to the regulation of transgene expression in plants through a transactivation system which comprises the following: (1) a promoter comprising LexA binding sites; and (2) a fusion transactivator protein comprising a LexA DNA binding domain and an activation domain such as the transactivation domain of a C repeat binding factor protein.

(21) Application No.930/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/02/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: USE OF DISTRIBUTED GENERATOR (DG) INVERTERS AS STATCOMS FOR DECREASING LINE LOSSES

(51) International :H02J3/16,G06Q50/06,H01L31/042classification

(31) Priority Document No :61/681335 (32) Priority Date :09/08/2012 (33) Name of priority country: U.S.A.

(86) International Application :PCT/CA2013/050213

No

:15/03/2013 Filing Date

(87) International Publication :WO 2014/022929

(61) Patent of Addition to :NA **Application Number** 

(62) Divisional to Application :NA Number :NA Filing Date

:NA Filing Date

(57) Abstract:

(71) Name of Applicant: 1)VARMA Rajiv Kumar

Address of Applicant: 511 Cottontail Crescent London Ontario

N5X 4M4 Canada (72) Name of Inventor: 1)VARMA Rajiv Kumar

The invention provides systems methods and devices relating to the provision of system wide coordinated control voltage regulation support in power transmission and distribution networks using multiple inverter based power generation facilities which are coupled to the power transmission and distribution networks for minimizing transmission and distribution line losses. The invention uses a novel control method of inverter based Distributed Generators as Static Synchronous Compensator (STATCOM) in a way that provides a dynamic voltage regulation/control with the inverter capacity remaining after real power generation thereby decreasing system line losses.

No. of Pages: 43 No. of Claims: 18

(22) Date of filing of Application :05/02/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: METHODS OF SOIL PEST CONTROL

(51) International :A01N43/36,A01N43/653,A01N43/80 classification

(31) Priority Document No :12181770.4 (32) Priority Date :24/08/2012

(33) Name of priority :EPO

country

(86) International :PCT/EP2013/067188 Application No

:16/08/2013 Filing Date

(87) International

:WO 2014/029710 **Publication No** 

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)SYNGENTA PARTICIPATIONS AG

Address of Applicant: Schwarzwaldallee 215 CH 4058 Basel

Switzerland

(72) Name of Inventor: 1)EL QACEMI Myriem 2)CASSAYRE Jr'me Yves 3)KURTZ Benedikt

(57) Abstract:

The present invention provides a method of controlling and/or preventing soil-dwelling pests in useful plants comprising applying to the locus of the useful plant or treating propagation material thereof, preferably a seed, with a compound of formula (I), wherein -Bl-#2-#3- is -C=N-0-, -C=N-CH2-, or -N-CH2- CH2-; RI is trifluoromethyl, difluoromethyl or chlorodifluoromethyl; R2 is group X X2 is C-X6 or nitrogen; XI, X3 and X6 are independently hydrogen, halogen or trihalomethyl, wherein at least one of XI, X3 and X6 is not hydrogen; A is selected from Al to A5 Yl is C-R6, CH or nitrogen; Y2 and Y3 are independently CH or nitrogen; wherein no more than two of Y1, Y2 and Y3 are nitrogen and wherein Y2 and Y3 are not both nitrogen; R5 is hydrogen, halogen, cyano, nitro, NH2, Cl-C4alkyl, Cl-C4aloalkyl, C3-C5cycloalkyl, C3-C5halocycloalkyl, Cl-C2alkoxy, or Cl-C2haloalkoxy; providing that when A is A3 or A4 R5 is not hydrogen; R6 when present together with R5 forms a - CH=CH-CH=CH- bridge; R7 is Cl-C4alkyl; R8 is Cl-C4alkyl, Cl-C4haloalkyl, Cl-C4alkoxy(Cl-C4)alkyl, Cl-C4alkylthio(Cl- C4)alkyl, Cl-C4alkylsulfmyl(Cl- C4 C4)alkyl, C3-C6cycloalkyl, C3-C6cycloalkyl(C1-C4)alkyl-, or tetrahydrofuranyl; R9 is C1-C4alkyl, C1-C4haloalkyl, C1-C4alkyl-0-CH2-, Cl-C4haloalkyl-0-CH2-, C3- C6cycloalkyl, C3- C6cycloalkyl-CH2-, Cl-C4alkyl-S-CH2-, Cl-C4alkyl-S(0)-CH2-, or Cl-C4alkyl-S-CH2-, Cl-C4alkyl-S-C4alkyl-S(02)-CH2; each Z is independently halogen, Cl-C12alkyl or Cl-C12alkyl substituted by one to five R12, nitro, Cl-C12alkoxy or Cl-C12alkoxy substituted by one to five R12 cyano, Cl-C12alkylsulfinyl, Cl-C12alkylsulfonyl, Cl-C12al C12haloalkylsulfinyl, Cl-C12haloalkylsulfonyl, hydroxyl or thiol; each R12 is halogen, cyano, nitro, hydroxy, Cl-C8alkoxy-, Cl-C8haloalkoxy-, mercapto, Cl-C8alkylthio-, or CpCghaloalkylthio; and k is 0, 1,2 or 3; wherein when the pest is corn rootworm, R8 is cyclopropyl when A is A2 and -B1-B2- B3- is -N-CH2-CH2-; Preferably the soil-dwelling pest is selected from corn rootworm, wireworms, grubs, in particular white grubs (e.g. Phyllophaga sp., Diloboderus sp., Popillia japonica), termites (in particular for sugar cane), subterraneous stinkbugs (e.g. Scaptocoris sp.), cutworms (e.g. agrotis sp.), millipedes (e.g. Julus sp.) and broca gigante (e.g. Telchin licus).

No. of Pages: 101 No. of Claims: 36

(22) Date of filing of Application :04/02/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: MEMBRANE SUPPORT ASSEMBLY FOR AN ENERGY EXCHANGER

(51) International classification :F28F13/12,F24F12/00,F28F3/08 (71) Name of Applicant : (31) Priority Document No :61/692793 (32) Priority Date :24/08/2012

(33) Name of priority country :U.S.A.

(86) International Application :PCT/CA2013/000609 No :26/06/2013

Filing Date

(87) International Publication No:WO 2014/029004

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1) VENMAR CES INC.

Address of Applicant: 1502 D. Quebec Ave. Saskatoon

Saskatchewan S7K 1V7 Canada

(72)Name of Inventor:

1)LEPOUDRE Phillip Paul 2)ERB Blake Norman

3)COUTU Kenneth

# (57) Abstract:

A membrane support assembly is configured to be used with an energy exchanger and is configured to be positioned within a fluid channel between first and second membranes. The assembly may include at least one support member configured to span between the first and second membranes wherein the support member(s) is configured to support the fluid channel and at least one turbulence promoter connected to the support member(s). The turbulence promoter(s) is configured to promote fluid turbulence within the fluid channel. The fluid turbulence within the fluid channel enhances energy transfer between the fluid channel and the first and second membranes.

No. of Pages: 44 No. of Claims: 47

(22) Date of filing of Application :05/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention: TRAFFIC FORWARDING METHOD AND SYSTEM BASED ON VIRTUAL SWITCH CLUSTER

<ul> <li>(51) International classification</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>	:15/07/2013 :WO 2014/012474	(71)Name of Applicant:  1)ZTE CORPORATION  Address of Applicant: ZTE Plaza Keji Road South Hi Tech Industrial Park Nanshan Shenzhen Guangdong 518057 China (72)Name of Inventor:  1)ZHOU Zhe
. ,		
	:WO 2014/012474	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Disclosed is a traffic forwarding method based on a virtual switch cluster. The method comprises: setting an aggregation group member list to store information about all the members of an aggregation group; setting an aggregation group traffic forwarding member list to store aggregation group member information for forwarding traffic the list only containing information about local members of the aggregation group in an initial state; and when it is determined that the traffic of a physical device exceeds the total bandwidth of the members in the aggregation group traffic forwarding member list or a threshold value relevant to the total bandwidth selecting a non local member from the aggregation group member list and adding same into the aggregation group traffic forwarding member list and forwarding traffic according to the modified aggregation group traffic forwarding member list. Also disclosed is a traffic forwarding system based on a virtual switch cluster. The present invention can realize traffic forwarding in a virtual switch cluster scenario on the premise of occupying limited bandwidth of a stack link as little as possible thereby ensuring the traffic forwarding performance in the virtual switch cluster scenario.

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

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHODS OF CONTROLLING INSECTS

(51) International :A01N43/36,A01N43/653,A01N43/80

classification .AUTN45/50,AUTN45/055,AUTN45/0

(31) Priority Document No :12181771.2 (32) Priority Date :24/08/2012

(33) Name of priority :EPO

country

(86) International :PCT/EP2013/067182

Application No Filing Date :16/08/2013

(87) International

Publication No :WO 2014/029706

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)SYNGENTA PARTICIPATIONS AG

Address of Applicant :Schwarzwaldallee 215 CH 4058 Basel

Switzerland

(72)Name of Inventor : 1)EL QACEMI Myriem 2)CASSAYRE Jr´me Yves

# (57) Abstract:

The present invention provides a method comprising applying to a crop of cotton plants, the locus thereof, or propagation material thereof, a compound of formula (I) wherein -BI-B2-B3-is -C=N-0-, - C=N-CH2-, or -N-CH2-CH2-;R1 is trifluoromethyl, difluoromethyl or chlorodifluoromethyl; R2 is group X formula (X) X2 is C-X6 or nitrogen; XI, X3 and X6 are independently hydrogen, halogen or trihalomethyl, wherein at least one of XI, X3 and X6 is not hydrogen; A is selected from A1 to A (A5) B is C-R6, CH or nitrogen;lY2 and Y3 are independently CH or nitrogen; wherein no more than two of Y1, Y2 and Y3 are nitrogen and wherein Y2 and Y3 are not both nitrogen; R is hydrogen, halogen, cyano, nitro, NH2, C1- 4alkIy, C1-C4haloalky1, C3-C5 cycloal kyl, C3-C5 halocycloalkyl, C1-C2 alkoxy, or C1-C2 haloa1koxy;provided that when A is A3 or A4 R5 is not hydrogen; R6 when present together with R5 forms a -CH=CH-CH=CH-bridge; R7 is C1-C4 alkyl; ) R8 is C1-C4 alkyl, C1-C4 haloalkyl, C1-C4 alkoxy(C1-C4)alkyl, C1-C4 alkylthio(C1-C4)alkyl, C1-C4 alkylsulfinyl(C1-C4)alkyl, C1-C4 alkylsulfonyl(C1-C4) alkyl, C3-C6 cycloalkyl, C3-C6 cycloalkyl, C3-C6 cycloalkyl, C3-C6 cycloalkyl, C3-C6 cycloalkyl-CH2-, C1-C4 alkyl-S-CH2-, C1-C4 alkyl-S(0)-CH2-, or C1-C4 alkyl-S(02)-CH2; each Z is independently halogen, C1-C12 alkyl or C1-C12 alkyl substituted by one to five R12, nitro, C1-C12 alkoxy or C1-C12 alkoxy substituted by one to five R12cyano, C1-C12 alkylsulfinyl, C1-C-12alkylsulfonyl, C1-C12haloalkylsulfiyl, C1-C12haloalkylsulfiyl, C1-C12haloalkylsulfiyl, C1-C12haloalkylsulfiyl, C1-C12haloalkylsulfonyl, hydroxyl or thiol;each R12 is halogen, cyano, nitro, hydroxy, C1-C8haloalkyv-, C1-C8haloalkoxy-, mercapto, C1-C8alkylthio-, or C1-C8haloalkylthio; and k is 0, 1,2 or 3. The methods are preferably for the control of Anthonomus grandis.

No. of Pages: 90 No. of Claims: 26

(21) Application No.6503/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PORTABLE MEDICAL DEVICE PROTECTORS

(51) International classification: A61L2/16, A61L31/14, A61L31/04 (71) Name of Applicant: 1) HYPROTEK INC. (31) Priority Document No :61/595635 (32) Priority Date :06/02/2012 Address of Applicant: 4219 E. 65th Avenue Spokane WA (33) Name of priority country 99223 1806 U.S.A. :U.S.A. (86) International Application (72) Name of Inventor: :PCT/US2013/024644 No 1)TENNICAN Patrick O. :04/02/2013 Filing Date (87) International Publication :WO 2013/119505 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA

## (57) Abstract:

Filing Date

This disclosure describes example portable medical device protectors that may be used in combination with various antimicrobial and/or antiseptic agents to reduce contaminants on a portable medical device. According to some embodiments the disclosure describes that the protectors may comprise an impermeable container to store a permeable applicator impregnated with an antimicrobial or antiseptic agent.

No. of Pages: 25 No. of Claims: 20

(21) Application No.6505/DELNP/2014 A

(19) INDIA

(22) Date of filing of Application :01/08/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: COMBINED CAP APPLICATORS

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A61M5/14,A61M31/00,A61M39/20 :61/595635 :06/02/2012	(71)Name of Applicant: 1)HYPROTEK INC. Address of Applicant:4219 E. 65th Avenue Spokane WA 99223 1806 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor : 1)TENNICAN Patrick O.
(86) International Application No Filing Date	:PCT/US2013/024651 :04/02/2013	
(87) International Publication No	:WO 2013/119509	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

This disclosure describes example combine cap applicator and protective devices that may be used in combination with one or more cleansing antimicrobial and/or antiseptic agents to reduce or eliminate contaminates on a surface. According to some embodiments the disclosure describes that the combine cap applicators may comprise a first and second cap where each cap contains an applicator. According to some embodiments the applicator may be coated or infused with a cleansing antimicrobial or antiseptic agents for use on a surface.

No. of Pages: 31 No. of Claims: 20

(21) Application No.880/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: ENGINEERING T CELL RECEPTORS

(51) International classification	:C07K14/725,C12N15/12	(71)Name of Applicant:
(31) Priority Document No	:61/676373	1)THE BOARD OF TRUSTEES OF THE UNIVERSITY
(32) Priority Date	:27/07/2012	OF ILLINOIS
(33) Name of priority country	:U.S.A.	Address of Applicant :352 Henry Administration Building 508
(86) International Application No	:PCT/US2013/052283	South Wright Street Urbana IL 61801 U.S.A.
Filing Date	:26/07/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/018863	1)SMITH Sheena N.
(61) Patent of Addition to Application	:NA	2)KRANZ David M.
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The use of model T cell receptors (TCRs) as scaffolds for in vitro engineering of novel specificities is provided. TCRs with de novo binding to a specific peptide major histocompatibility complex (MHC) product can be isolated by: 1) mutagenizing a T cell receptor protein coding sequence to generate a variegated population of mutants (a library) 2) selection of the library of TCR mutants with the specific peptide MHC using a process of directed evolution and a display methodology (e.g. yeast phage mammalian cell) and the peptide MHC ligand. The process can be repeated to identify TCR variants with improved affinity for the selecting peptide MHC ligand.

No. of Pages: 113 No. of Claims: 25

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: GAS CELL DRIVEN ORIENTATION INDEPENDENT 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 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>	:61/692750 :24/08/2012 :U.S.A.	(71)Name of Applicant: 1)MICROLIN LLC. Address of Applicant: 2425 South 900 West Salt Lake City Utah 84119 U.S.A. (72)Name of Inventor: 1)JOSHI Ashok V. 2)GORDON John Howard
1 (01110 01		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

An orientation independent delivery device (100). The delivery device (100) includes a gas chamber a delivery chamber a gas cell (110) and a delivery aperture (112). The gas chamber includes a gas side rigid portion (102) and a gas side flexible barrier (104). The gas side flexible barrier (104) is sealed to the gas side rigid portion (102). The delivery chamber includes a delivery side rigid portion (106) and a delivery side flexible barrier (108). The delivery side flexible barrier (108) is sealed to the delivery side rigid portion (106) and is oriented adjacent to the gas side flexible barrier (104). The gas cell (110) is coupled to the gas side rigid portion (102) of the gas chamber. The gas cell (110) increases a gas pressure within the gas chamber to expand the gas side flexible barrier (104). Expansion of the gas side flexible barrier (104) applies a compressive force to the delivery side flexible barrier (108) allowing a delivery material to escape from the delivery chamber.

No. of Pages: 24 No. of Claims: 20

(22) Date of filing of Application :06/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention : METHOD OF SYNTHESIS OF A COMPOSITION CONTAINING AT LEAST ONE INTERNAL DEHYDRATION PRODUCT OF A HYDROGENATED SUGAR BY HETEROGENEOUS CATALYSIS

<ul> <li>(51) International classification</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>	:C07D493/04 :12305987.5 :08/08/2012 :EPO :PCT/EP2013/066592 :07/08/2013 :WO 2014/023789 :NA :NA :NA	(71)Name of Applicant:  1)ROQUETTE FRERES Address of Applicant: 1 rue de la Haute Loge F 62136 Lestrem France (72)Name of Inventor:  1)IBERT Mathias 2)WYART Herv 3)H-LDERICH Wolfgang 4)RUSU P. Oana Alice
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## (57) Abstract:

The purpose of the present invention is a simple low cost environmentally friendly and sustainable process for the production of internal dehydration products of hydrogenated sugar implementing trivalent metal phoshate (metal (III) phosphates) as catalysts during said dehydratation step.

No. of Pages: 18 No. of Claims: 17

(21) Application No.778/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: HIGH-PRESSURE FUEL PUMP FOR A FUEL INJECTION 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>	:F02M :102013210032.9 :29/05/2013 :Germany :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)ROBERT BOSCH GmbH  Address of Applicant:Postfach 30 02 20, 70442 Stuttgart, Germany (72)Name of Inventor:  1)BOECKING, Friedrich  2)VEMULA, SunilKumar
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## (57) Abstract:

The present subject matter relates to a high-pressure fuel pump, in particular a plug-in pump, for a fuel injection system for injecting fuel into the combustion chamber of an internal combustion engine comprising a pump piston (3), accommodated in a cylinder bore (1) of a housing part (2) and performs a lifting movement which, on one hand, limits a pump working chamber (4) formed in the cylinder bore (1) and, on the other hand, is connected to a plunger assembly (5) for supporting on a cam (6) or eccentric tappet of a pump working chamber, as well as at least one metal bellow for media separation.

No. of Pages: 21 No. of Claims: 9

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SUBMERGED PLATE FORWARD 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> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C02F9/00 :61/667375 :02/07/2012 :U.S.A. :PCT/US2013/049166 :02/07/2013 :WO 2014/008314 :NA :NA :NA	(71)Name of Applicant:  1)HYDRATION SYSTEMS LLC Address of Applicant:9311 E. Via de Ventura Scottsdale Arizona 85258 U.S.A. (72)Name of Inventor: 1)SCHULTZ Walter L. 2)BHARWADA Upen J. 3)HERRON John R. 4)SCHUTTER Mark
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## (57) Abstract:

Described herein is a submerged plate membrane device intended for use in forward osmosis processes particularly for concentrating various process streams such as those in ponds. Particular examples of feed streams that may be concentrated are for example the following feed solutions: brines seawater drilling mud waste water bio digestate and the like. Thus the process and device described herein are useful for de watering and thus concentrating the content of solar evaporation ponds and drilling mud ponds.

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

(22) Date of filing of Application :03/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: COMPOSITION FOR DRESSING PHOSPHATE ORE

(51) International classification	:B03D1/008,B03D1/01,B03D1/02	
(31) Priority Document No	:12006427.4	1)CLARIANT FINANCE (BVI) LIMITED
(32) Priority Date	:13/09/2012	Address of Applicant :Citco Building Wickhams Cay P.O.
(33) Name of priority country	:EPO	Box 662 Road Town Tortola British Virgin Islands VIRGIN
(86) International Application	-DCT/ED2012/002502	ISLANDS
No	:PCT/EP2013/002502	2)CLARIANT S.A.
Filing Date	:20/08/2013	(72)Name of Inventor:
(87) International Publication	:WO 2014/040686	1)DA SILVA Wagner Claudio
No	:WO 2014/040080	2)PEDAIN Klaus Ulrich
(61) Patent of Addition to	.NT A	3)BARTALINI Nilson Mar
Application Number	:NA	4)DUARTE Zaire Guimaraes
Filing Date	:NA	5)SPECK CASSOLA Monica
(62) Divisional to Application	.NT A	6)ARIAS MEDINA Jorge Antonio
Number	:NA	7)OLIVEIRA FILHO Antonio Pedro
Filing Date	:NA	

# (57) Abstract:

The invention relates to a flotation agent for phosphate ore comprising at one fatty acid and at least one sarcosinate of the formula (I) wherein R is a C7 to C21 alkyl or alkenyl group which sarcosinate may be present in the form of a cation derived therefrom caused by protonation of the nitrogen atom wherein the amount of fatty acid is from 70 to 99 wt. % and wherein the amount of the sarcosinate of the formula (I) is from 1 to 30 wt. -%.

No. of Pages: 11 No. of Claims: 5

(21) Application No.885/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/02/2015

(43) Publication Date: 12/06/2015

(54) Title of the invention : SALTS AND SOLID FORMS OF (S)-3-(4-((4-MORPHOLINOMETHYL)BENZYL)OXY)-1-OXOISOINDOLIN-2-YL)PIPERIDINE-2,6-DIONE AND COMPOSITIONS COMPRISING AND METHODS OF USING THE SAME

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:C07D401/04 :61/681484	(71)Name of Applicant: 1)CELGENE CORPORATION
(32) Priority Date	:09/08/2012	Address of Applicant :86 Morris Avenue Summit NJ 07901
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No		(72)Name of Inventor:
Filing Date	:08/08/2013	1)COHEN Benjamin M.
(87) International Publication No	:WO 2014/025964	2)TRAVERSE John F.
(61) Patent of Addition to Application	:NA	3)XU Jean
Number	:NA	4)LI Ying
Filing Date	*1111	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Salts and solid forms of 3-(4-((4-(morpholinomethyl)benzyl)oxy)-l-oxoisoindolin-2-yl)piperidine-2,-6 dione, or a stereoisomer thereof, are disclosed. Compositions comprising and methods of using the salts and solid forms are also disclosed.

No. of Pages: 247 No. of Claims: 38

:NA

:NA

:NA

(19) INDIA

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: DEVICES USING MEMBRANE MEDIATED FORWARD OSMOSIS

(51) International (71) Name of Applicant: :B01D61/02,B01D65/06,B01D65/02 1)FOSMO MED INC classification (31) Priority Document No :61/669593 Address of Applicant :225 E. Santa Inez Ave. #11 San Mateo (32) Priority Date CA 94401 U.S.A. :09/07/2012 (72)Name of Inventor: (33) Name of priority country:U.S.A. (86) International 1)PARK Benjamin B. :PCT/US2013/049801 Application No :09/07/2013 Filing Date (87) International Publication :WO 2014/011692 (61) Patent of Addition to :NA

## (57) Abstract:

**Application Number** 

Filing Date (62) Divisional to

Application Number

Filing Date

A forward osmosis device method of manufacturing the forward osmosis device and method of using a solution produced using the forward osmosis device utilizes a forward osmosis membrane element positioned within a housing of the device between an input chamber and an output chamber to draw liquid from the input chamber to the output chamber via an osmotic process. The forward osmosis membrane element includes a layer of purifying additives on the forward osmosis membrane element to remove contaminants in the liquid as the liquid is drawn through the forward osmosis membrane element. In an embodiment the forward osmosis device is a forward osmosis intravenous (IV) bag.

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

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : WIRELESS POWER TRANSMITTER WIRELESS POWER RECEIVER AND METHODS OF CONTROLLING THE SAME

(51) I	1102117/00	(71)N
(51) International classification	:H02J17/00	(71)Name of Applicant:
(31) Priority Document No	:61/670779	1)SAMSUNG ELECTRONICS CO. LTD.
(32) Priority Date	:12/07/2012	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/KR2013/006278	(72)Name of Inventor:
Filing Date	:12/07/2013	1)LEE Kyung Woo
(87) International Publication No	:WO 2014/010997	2)KWON Hyuk Choon
(61) Patent of Addition to Application	:NA	3)BYUN Kang Ho
Number	:NA	4)JUN Hae Young
Filing Date	INA	5)JUNG Hee Won
(62) Divisional to Application Number	:NA	6)KIM Joon II
Filing Date	:NA	7)PARK Se Ho

#### (57) Abstract:

A wireless power transmitter a wireless power receiver and methods of controlling the same are provided. A method of detecting a rogue device other than a wireless power receiver in the wireless power transmitter includes receiving power consumption information about the wireless power receiver from the wireless power receiver calculating a power loss based on the received power consumption information about the wireless power receiver determining whether the power loss exceeds a threshold and controlling transmission power of the wireless power transmitter determining that a rogue device exists on the wireless power transmitter if the power loss exceeds the threshold.

No. of Pages: 35 No. of Claims: 14

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: FORCE MONITOR FOR PULVERIZER INTEGRAL SPRING 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 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>	:12/05/2010 :WO 2011/005358 :NA :NA :NA	(71)Name of Applicant:  1)ALSTOM TECHNOLOGY LTD  Address of Applicant:BROWN BOVERI STRASSE 7, 5400  BADEN, SWITZERLAND (72)Name of Inventor:  1)STONE RICHARD BRIAN 2)FARRIS LAWRENCE SCOTT 3)MUNYON MATTHEW ALAN
Filing Date	:NA	

## (57) Abstract:

A pulverizer 60 includes a spring assembly 10 that urges a grinding roller 72 of a journal assembly 68 onto a grinding surface 66 of a grinding table 64. The force applied is monitored by a load cell 32 located within spring assembly 10 that creates an electronic signal. A controller 83 receives the electronic signal and stores and/or displays it and alternatively acts to adjust the applied force to a desired value. Alternatively, adjustable forces or mechanical dampening may be applied to journal assembly 68 by controller 83. Alternatively, additional sensors may measure displacement of the journal assembly and rotation of the grinding table for other calculations.

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

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: COMBUSTOR SHELL AIR RECIRCULATION SYSTEM IN 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</li> <li>No</li> <li>Filing Date</li> </ul>	:F01D21/00,F01D25/14,F02C6/08 :13/603699 :05/09/2012 :U.S.A. :PCT/US2013/056379 :23/08/2013	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: Wittelsbacherplatz 2 80333 M ¹ / ₄ nchen Germany (72)Name of Inventor: 1)LEE Ching Pang 2)LANDRUM Evan C.
(87) International Publication No	:WO 2014/039288	3)ZHANG Jiping
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A shell air recirculation system for use in a gas turbine engine includes one or more outlet ports located at a bottom wall section of an engine casing wall and one or more inlet ports located at a top wall section of the engine casing wall. The system further includes a piping system that provides fluid communication between the outlet port(s) and the inlet port(s) a blower for extracting air from a combustor shell through the outlet port(s) and for conveying the extracted air to the inlet port(s) and a valve system for selectively allowing and preventing air from passing through the piping system. The system operates during less than full load operation of the engine to circulate air within the combustor shell but is not operational during full load operation of the engine

No. of Pages: 23 No. of Claims: 20

(22) Date of filing of Application :05/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention : TREATMENT OF PULMONARY ARTERIAL HYPERTENSION WITH MESENCHYMAL STEM 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> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:61/678207 :01/08/2012 :U.S.A.	(71)Name of Applicant:  1)UNITED THERAPEUTICS CORPORATION Address of Applicant:1040 Spring Street Silver Spring Maryland 20910 U.S.A. (72)Name of Inventor:  1)JEFFS Roger 2)PETERSEN Thomas 3)ILAGAN Roger M. 4)WADE Michael
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### (57) Abstract:

The application is directed to a method for treating or preventing vasculopathy comprising administrating to a subject in need thereof a pharmaceutical composition comprising mesenchymal precursor cells (MPCs) and a prostacyclin. Also provided a method for treating or preventing vasculopathy in a subject in need thereof comprising administering to the subject a prostacyclin and a mesenchymal stem cell (MSC) or a MSC conditioned culture medium or administering to the subject a MSC or a MSC conditioned culture medium that has treated with prostacyclin. Pharmaceutical compositions suitable for such treatments are also provided.

No. of Pages: 43 No. of Claims: 42

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SYSTEM AND METHOD FOR CONTROLLING OPERATION OF A METAL AIR BATTERY

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:B60K1/00,H01M10/44 :61/669160	(71)Name of Applicant: 1)PHINERGY LTD.
(32) Priority Date	:09/07/2012	Address of Applicant :2 Yodfat St. P.O Box 1290 7129106
(33) Name of priority country	:U.S.A.	Lod Israel
(86) International Application No	:PCT/IL2013/050583	(72)Name of Inventor:
Filing Date	:09/07/2013	1)YADGAR Avraham
(87) International Publication No	:WO 2014/009951	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A system and method for controlling operation a metal air battery are provided. A system and method for controlling operation a metal air battery may include controlling a current drawn from the battery; and controlling a temperature of the battery. A system and method may draw a preconfigured amount of power from a metal air battery and draw power from a rechargeable device when power required is greater than the preconfigured power.

No. of Pages: 39 No. of Claims: 29

(21) Application No.978/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PATIENT MATCHED INSTRUMENT

(51) International classification :A61B17/15,A61B17/56,A61B17/90

(31) Priority Document No :61/681455 (32) Priority Date :09/08/2012 (33) Name of priority country:U.S.A.

(86) International :PCT/US2013/054278

Application No :09/08/2013

(87) International Publication :WO 2014/026083

(61) Patent of Addition to

Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)SMITH & NEPHEW INC.

Address of Applicant :1450 Brooks Road Memphis Tennessee

38116 U.S.A.

(72)Name of Inventor: 1)KENNEDY Eric S.

2)TARSHA Maroun H.

3)WILKINSON Zachary C. 4)WINEBARGER Randy C.

(57) Abstract:

A patient matched instrument is disclosed. The patient matched instrument includes a body having an interior patient matched surface; a cutting slot extending through at least a portion of the body; a first paddle extending from the body; and a second paddle spaced apart from the first paddle and extending from the body; and wherein at least one of the first paddle and the second paddle further comprises a hook.

No. of Pages: 33 No. of Claims: 11

(21) Application No.844/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/02/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: PLEATED FILTER

(51) International :B01D69/04,B01D69/12,B01D71/12 classification

(31) Priority Document No :13/543990 (32) Priority Date :09/07/2012 (33) Name of priority country:U.S.A.

(86) International :PCT/US2013/049507

Application No :08/07/2013 Filing Date

(87) International Publication :WO 2014/011514

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)IN TEC WATER PRODUCTS LLC

Address of Applicant: 7947 9th Avenue South St. Petersburg

FL 33707 U.S.A.

(72)Name of Inventor: 1)NOHREN John E. Jr 2)MIERAU Brad

# (57) Abstract:

A cylindrical pleated filter of charged layer membrane filter material is constructed with minimized filter occlusion and surface area where the filter diameter a number of filter pleats and pleat width results in the outer pleat apex included angle of each pleat being at least 10 degrees. Other embodiments and the relationship between filter occlusion and performance of a cylindrical pleated filter of charged layer membrane filter material and filter diameter number of filter pleats and pleat width is part of this disclosure.

No. of Pages: 36 No. of Claims: 17

(21) Application No.882/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: RESPIRATION MONITORING SYSTEM AND METHOD

<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A61B5/02,A61B5/08,A61B5/087 :13/553070 :19/07/2012	1)LINSHOM L.P. Address of Applicant :205 Viscount Drive Williamsville NY
<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> <li>No</li> </ul>	:U.S.A. :PCT/US2013/049511 :08/07/2013 :WO 2014/018246	14221 U.S.A. (72)Name of Inventor: 1)FELDMAN Doron 2)LERMAN Jerrold 3)FELDMAN Ronen 4)MOSER John
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	5)FELDMAN Uri
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A respiration monitoring system includes a thermoelectric generator that may be mounted within a mask enclosure or free standing covering all or part of the nose and/or mouth of a subject A first temperature sensor is attached to the thermoelectric generator for measuring the subject s breath. A power controller develops a difference between a preset temperature and the subject s breath temperature that is then inserted into a feedback error signal and then into a power controller which regulates the power to the thermoelectric generator to maintain a preset temperature.

No. of Pages: 43 No. of Claims: 30

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: GENES AND PROCESSES FOR THE PRODUCTION OF CLAVINE TYPE ALKALOIDS

(71)Name of Applicant: 1)BASF SE Address of Applicant: 67056 Ludwigshafen Germany (51) International classification :C12N1/21,C12N1/15,C12N1/16 2)EVOLVA SA (31) Priority Document No (72)Name of Inventor: :61/691848 (32) Priority Date :22/08/2012 1)NAESBY Michael (33) Name of priority country :U.S.A. 2)FOLLY Christophe 3)NIELSEN Curt Aim Friis (86) International Application No:PCT/IB2013/056604 Filing Date :13/08/2013 4)HATSCH Anaelle (87) International Publication No: WO 2014/030096 5)SCHWAB Markus (61) Patent of Addition to 6)ZELDER Oskar :NA **Application Number** 7) HAEFNER Stefan :NA Filing Date 8)SCHR-DER Hartwig (62) Divisional to Application 9)HOFF Birgit :NA Number 10)MOLT Andrea :NA Filing Date 11)DITRICH Klaus 12)BREUER Michael 13)HARTMANN Holger 14)K-RBER Karsten

### (57) Abstract:

Microorganisms and processes for the recombinant manufacture of clavine type alkaloids such as cycloclavine festuclavine agroclavine chanoclavine and chanoclavine aldehyde as well as polypeptides polynucleotides and vectors comprising such polynucleotides which can be applied in a method for the manufacture of clavine type alkaloids are provided.

No. of Pages: 212 No. of Claims: 59

(22) Date of filing of Application :06/02/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: REGENERABLE SORBENT FOR CARBON DIOXIDE REMOVAL

(51) International classification: B01J20/04,B01J37/04,B01D53/62 (71) Name of Applicant:

(31) Priority Document No :61/673626 (32) Priority Date :19/07/2012

(33) Name of priority country :U.S.A.

(86) International Application :PCT/US2013/051257

No :19/07/2013 Filing Date

(87) International Publication

:WO 2014/015243

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number :NA

Filing Date

1) RESEARCH TRIANGLE INSTITUTE

Address of Applicant: 3040 Cornwallis Road P.O. Box 12194

Research Triangle Park North Carolina 27709 U.S.A.

(72)Name of Inventor:

1)SHEN Jian Ping

2)COLEMAN Luke James Ivor

3)LAIL Marty Alan

4) GUPTA Raghubir Prasad

5)TURK Brian Scott

## (57) Abstract:

A mixed salt composition adapted for use as a sorbent for carbon dioxide removal from a gaseous stream is provided the composition being in solid form and including magnesium oxide an alkali metal carbonate and an alkali metal nitrate wherein the composition has a molar excess of magnesium characterized by a Mg:X atomic ratio of at least about 3:1 wherein X is the alkali metal. A process for preparing the mixed salt is also provided the process including mixing a magnesium salt with a solution comprising alkali metal ions carbonate ions and nitrate ions to form a slurry or colloid including a solid mixed salt including magnesium carbonate; separating the solid mixed salt from the slurry or colloid to form a wet cake; drying the wet cake to form a dry cake including the solid mixed salt; and calcining the dry cake to form a mixed salt sorbent.

No. of Pages: 35 No. of Claims: 24

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: APPARATUS AND METHOD FOR AQUEOUS ORGANIC WASTE TREATMENT

<ul> <li>(51) International classification</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>	:C02F1/28,C02F1/46 :1212676.9 :17/07/2012 :U.K. :PCT/GB2013/051823 :10/07/2013 :WO 2014/013224 :NA :NA :NA	(71)Name of Applicant:  1)ARVIA TECHNOLOGY LIMITED  Address of Applicant: Daresbury Innovation Centre Keckwick  Lane Daresbury Cheshire WA4 4FS U.K.  (72)Name of Inventor:  1)BROWN Nigel  2)ROBERTS Edward  3)EATON Donald  4)ADEYEMI Akinlabi
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## (57) Abstract:

The apparatus comprises a treatment reservoir defining first and second treatment zones separated by a porous membrane. Carbon based adsorbent material capable of electrochemical regeneration is provided in said first and second treatment zones. An agitator is operable to distribute the adsorbent in aqueous organic waste liquid contained in the first and second treatment zones. First and second electric current feeders are operably connected to the adsorbent in the first and second treatment zones respectively. A controller operates the electric current feeders to pass an electric current through the adsorbent in the treatment zones in one direction to regenerate the adsorbent in one of the treatment zones and to then reverse the direction of the current applied to the adsorbent to regenerate the adsorbent in the other treatment zone. Further apparatus is described which facilitates aqueous waste water treatment in a continuous manner.

No. of Pages: 43 No. of Claims: 56

(21) Application No.545/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: CONSTANT VELOCITY ENGINE/TECHNOLOGY

<ul> <li>(51) International classification</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>	:F02B 75/18 :12/458,771 :22/07/2009 :U.S.A. :PCT/US2010/002057 :22/07/2010 :WO 2011/011069 :NA :NA	(71)Name of Applicant:  1)CV GLOBAL, INC.  Address of Applicant: 4728 LARK RIDGE CIRCLE SAARASOTA, FLORIDA 34223, U.S.A. (72)Name of Inventor:  1)RONALD C. VOEGELI
	:NA :NA	

## (57) Abstract:

Constant velocity internal combustion engines/designs capable of converting linear motion to rotary motion or rotary motion to linear motion include a gearshaft rather than a crankshaft, at least one pair of opposed and reciprocating pistons, and the gearshaft controlling the reciprocal linear translation of the pistons.

No. of Pages: 44 No. of Claims: 13

(22) Date of filing of Application :20/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: CONTROL APPARATUS, IMAGING SYSTEM, 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 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>	:H04N 5/232 :P2009-176626 :29/07/2009 :Japan :PCT/JP2010/062300 :22/07/2010 :WO 2011/013563 :NA :NA :NA	(71)Name of Applicant:  1)SONY CORPORATION Address of Applicant:1-7-1 KONAN, MINATO-KU, TOKYO 1080075, JAPAN (72)Name of Inventor: 1)SHINGO YOSHIZUMI
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## (57) Abstract:

The present invention relates to a control apparatus, an imaging system, a control method, and a program in which, when performing automatic image-recording, subjects which seem to be present around an imaging apparatus can be recorded as evenly as possible. An automatic recording operation for recording, upon detection of a subject from an image obtained by imaging, data representing an image containing the subject is performed. On that basis, if it is determined, on the basis of image-recording history information, that the transition to a subject configuration different from that used in the last image-recording is to be performed, a movable mechanism unit is moved to change an imaging field-of-view range, thereby obtaining a different subject configuration.

No. of Pages: 119 No. of Claims: 15

(22) Date of filing of Application :04/02/2015 (43) Publication Date: 12/06/2015

:PCT/FR2013/051657

:11/07/2013

# (54) Title of the invention: TRANSPARENT ELEMENT WITH DIFFUSE REFLECTION COMPRISING A SOL GEL LAYER

(51) International classification :B32B17/10,B60J3/00,G02B5/02 (71)Name of Applicant:

(31) Priority Document No :1256760 (32) Priority Date :13/07/2012

(33) Name of priority country :France

(86) International Application

No

Filing Date

(87) International Publication No:WO 2014/009663 (61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)SAINT GOBAIN GLASS FRANCE

Address of Applicant :18 Avenue dAlsace F 92400

Courbevoie France (72) Name of Inventor:

1)EHRENSPERGER Marie Virginie

2) GUILLEMOT Fran § ois

# (57) Abstract:

The invention relates to a transparent layered element having diffuse reflection properties and comprising two outer layers made from dielectric materials having essentially the same refractive index and a central layer inserted between the two outer layers and formed either by a single layer that is a dielectric layer having a refractive index different from that of the outer layers or a metal layer or by a stack of layers comprising at least one dielectric layer having a refractive index different from that of the outer layers or a metal layer. The upper outer layer is a sol gel layer comprising an organic/inorganic hybrid matrix containing silica.

No. of Pages: 57 No. of Claims: 15

(21) Application No.966/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: PEDIATRIC ORAL LIQUID COMPOSITIONS CONTAINING NEPADUTANT

(51) International :A61K31/451,A61K31/55,A61K38/12 classification

(31) Priority Document No: RM2012A000331

(32) Priority Date :12/07/2012

(33) Name of priority :Italy

country

(86) International :PCT/IB2013/055754 Application No

:12/07/2013 Filing Date

(87) International

:WO 2014/009926 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71) Name of Applicant:

1)LABORATORI GUIDOTTI S.P.A.

Address of Applicant: Via Livornese 897 La Vettola I 56122

Pisa PI Italy

(72)Name of Inventor: 1)LEWERENZ Claudia 2)SCHMITZ Reinhard 3)ALTAMURA Maria

# (57) Abstract:

Oral liquid pharmaceutical compositions containing as active ingredient Nepadutant PGS as solubilizer and optionally a chelating agent. Such compositions are found to be very stable and suitable for paediatric use in the treatment of gastro intestinal diseases.

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

(22) Date of filing of Application :06/02/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: SPRING OPEN SHEETING FOR FLUID PROCESSING CASSETTE

(51) International classification :A61M1/14,A61M1/34,A61M1/36 (71) Name of Applicant : (31) Priority Document No :61/693804

(32) Priority Date :28/08/2012 (33) Name of priority country :U.S.A.

(86) International Application

:PCT/US2013/030130 No :11/03/2013

Filing Date (87) International Publication

:WO 2014/035471

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

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Address of Applicant: Three Corporate Drive Lake Zurich IL

60047 U.S.A.

(72) Name of Inventor:

1)MANZELLA Jr. Salvatore 2)PIEPER Gregory G.

3)CHUNG Terry

4)ROCKWELL Benjamin

## (57) Abstract:

A sheeting is provided for use with a fluid processing cassette having a valve station with a plurality of fluid flow ports. The sheeting has a generally flexible layer and a biasing member associated with the layer. The sheeting is attached to the cassette such that the biasing member is received within the valve station. The cassette may be used with a fluid processing system having a valve actuator with a piston that is aligned with the cassette during use. In an extended position the piston presses the sheeting against the port to prevent fluid flow through the valve station. When the piston moves from the extended position to a retracted position it allows the sheeting to uncover the port thereby allowing fluid flow through the valve station. The biasing member assists in displacing the sheeting from the port when the piston moves to the retracted position.

No. of Pages: 29 No. of Claims: 29

(22) Date of filing of Application :14/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: ACTUATION OF DISTRIBUTED LOAD MANAGEMENT DEVICES ON AERODYNAMIC BLADES

<ul> <li>(51) International classification</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>	:F03D7/00 :13/837,220 :15/03/2013 :U.S.A. :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)Frontier Wind, LLC. Address of Applicant: 100 Four Falls Corporate Center, Suite 215, West Conshohocken, PA 19428, U.S.A. (72)Name of Inventor: 1)Jonathon Paul BAKER 2)Jeffrey Austin BUTTERWORTH 3)Jehan Zeb KHAN 4)Guojian LIN 5)Edward Anthony MAYDA 6)Erick James RICKARDS 7)Tobias Guenther WEHRHAN
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## (57) Abstract:

Systems, apparatuses, and methods are provided for actuating less than all of a plurality of load management devices on a wind turbine and/or a wind turbine blade. In some embodiments, the actuation sequences may be a root-to-tip, tip-to root, maximum-distributedload, random, and/or a cycle-count actuation sequence. Further, a combination of two or more actuation sequences may be utilized to achieve a desired result. The system may choose an appropriate blade-based and/or rotor-based actuation sequence according to operating conditions, may alternate actuation sequences, and/or may employ different actuation sequences among the plurality of blades of a wind turbine. The load management devices may be actuated to different maximum heights and/or may be configured to be actuated to variable heights. The load management devices may be included as part of a distributed management system providing a corresponding controller and/or sensor at each load management device.

No. of Pages: 35 No. of Claims: 20

(21) Application No.824/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: DEVICE FOR TREATING AN OCULAR DISORDER

(51) International classification :A61F9/00,A61F9/007,A61F13/38 (71) Name of Applicant : 1)BLEPHEX LLC (31) Priority Document No :13/556729 (32) Priority Date :24/07/2012 Address of Applicant :2290 10th Avenue N. Suite 402 Lake (33) Name of priority country Worth FL 33461 U.S.A. :U.S.A.

(72) Name of Inventor: (86) International Application :PCT/US2013/051850 1)RYNERSON James M.

No :24/07/2013 Filing Date

(87) International Publication :WO 2014/018651

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

# (57) Abstract:

A method and device for treating ocular disorders such as blepharitis meibomitis and dry eye syndrome. The method includes using an electromechanical device (10) to move a swab (14) relative to the eye (15) to create cyclical movement that impacts debris present at the eyelid margin and effectively removes the debris from the eye (15) to encourage healing and prevent further digression of the health of the eye (15). The device (10) includes a mechanical drive unit (12) operatively connected to an instrument (122) having a swab (14) and a rigid member (16) to create a precise relative movement of the swab (14) to the eye (15) and remove debris present therein. The rigid member (16) has a proximal end portion (12) with a cross sectional member profile (180) that cooperates with a chuck (132) such that rotation within the chuck (132) is inhibited.

No. of Pages: 26 No. of Claims: 34

(21) Application No.919/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention: BIOREFINERY SYSTEM METHODS AND COMPOSITIONS THEREOF

(31) Priority Document No (32) Priority Date	:C12P7/64,C12N1/21,C12N15/63 :61/671542 :13/07/2012	1)CALYSTA INC. Address of Applicant: 1140 OBrien Drive Suite A Menlo Park
(33) Name of priority country (86) International Application No Filing Date (87) International Publication No	:U.S.A. :PCT/US2013/050369 :12/07/2013 :WO 2014/012055	California 94025 U.S.A. (72)Name of Inventor: 1)SILVERMAN Joshua 2)RESNICK Sol M. 3)MENDEZ Michael 4)SAVILLE Renee
<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	5)LEE Sungwon 6)NGUYEN Luan
Number Filing Date	:NA :NA	

# (57) Abstract:

The present disclosure relates to bioengineering approaches for producing biofuel and in particular to the use of a C metabolizing microorganism reactor system for converting C1 substrates such as methane or methanol into biomass and subsequently into biofuels bioplastics or the like.

No. of Pages: 140 No. of Claims: 109

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: CONVEYOR BELT FOR PRODUCT STABILIZATION

<ul> <li>(51) International classification</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>	:B65G17/06 :61/674956 :24/07/2012 :U.S.A. :PCT/US2013/051707 :23/07/2013 :WO 2014/018544 :NA :NA :NA	(71)Name of Applicant:  1)LAITRAM L.L.C. Address of Applicant: Legal Department 200 Laitram Lane Harahan Louisiana 70123 U.S.A. (72)Name of Inventor: 1)MARSHALL Angela L. 2)JUDICE Nicholas J. 3)DAILEY R. Scott 4)LANDRUM John F. 5)NAGEL Jorge E. 6)MACLACHLAN Gilbert J. 7)MCCALL Glenn R. JR 8)SCATES Dennis K.
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## (57) Abstract:

A platform member for a knuckle linked conveyor belt includes a stabilizer for pushing a conveyed product towards a side rail to stabilize the product during conveyance. The platform member may include an upper portion forming a conveying surface and a lower portion stepped down from the upper port for receiving the forward end of an adjacent platform member. A connector on the lower portion connects the platform member to a corresponding body member in the conveyor belt. The upper portion overlies and protrudes forward from the front of the lower portion. Shaped side rails on the platform member are configured to allow overlapping between adjacent side rails to minimize gaps.

No. of Pages: 50 No. of Claims: 31

(21) Application No.988/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : CURRENCY PROCESSING MACHINE CURRENCY PROCESSING SYSTEM AND CURRENCY PROCESSING METHOD

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number  Filing Date  1)GLORY LTD. Address of Applicant: 3 1 Shimoteno 1 chome Himeji shi Hyogo 6708567 Japan (72)Name of Inventor: 1)TOYODA Yasutaka 2)INOUE Masaki	
(62) Divisional to Application Number :NA Filing Date :NA	

# (57) Abstract:

A currency processing machine (a paper currency deposit machine (1)) is equipped with a unique code generation unit (80) that generates a unique code which is information that is useful to a recipient of a journal in determining the authenticity of the journal on the basis of at least all or a part of the deposit information printed in the journal by a printing unit (a printer (6)). The printing unit prints in the journal the unique code generated by the unique code generation unit (80) as well as the deposit information which is information pertaining to the currency deposited in the currency processing machine.

No. of Pages: 75 No. of Claims: 21

(21) Application No.923/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: NOZZLE ARRANGEMENT

(51) International classification: B05B1/26,B05B15/02,B05B1/08 (71) Name of Applicant: :10 2012 014 965.4 1)AWORTH Chris (31) Priority Document No (32) Priority Date :30/07/2012 Address of Applicant: Willow Bank Plumton End Paulerspury (33) Name of priority country NN12 7NJ Northamptonshire U.K. :Germany (72) Name of Inventor: (86) International Application :PCT/DE2013/000406 No 1)BARTELS Frank :24/07/2013 Filing Date 2) RAWERT JRGEN (87) International Publication :WO 2014/019563 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

The invention relates to a nozzle arrangement for atomising a fluid flow into fine particles said fluid flow being delivered under pressure comprising: a conical element (10) having a top face (12) a bottom face (14) and an outer face (16) that adjoins the top and the bottom face wherein the outer face has a plurality of grooves (18a 18b 18c 18d) formed therein that extend between the bottom face and the top face; and a counter element (20) provided with an opening the counter element being designed to receive the conical element and having an inner face such that the grooves are at least partially covered by said inner face in order to form a plurality of channels. The channels define outlets each of which is able to let out a jet of fluid that comes into contact with at least one other jet of fluid in a region spaced apart from the top face of the conical element in order to atomise the fluid flow and wherein the conical element can be moved along the axis in order to increase or decrease the effective cross section of the nozzle arrangement.

(21) Application No.944/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PLAGUE VACCINE

#### (57) Abstract:

The application relates to a Yersinia pseudotuberculosis cell, which comprises nucleic acid coding for expression of at least one Yersinia pestis Cafl polypeptide or of at least one antigenic fragment of Yersinia pestis Cafl, more particularly to an attenuated Y. pseudotuberculosis cell, which expresses the Ypestis capsule. Said Y.pseudotuberculosis cell is exceptionally efficient in protecting against both bubonic plague and pulmonary plague.

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: INLET CLOSURE MECHANISM

(51) International classification	:B01L3/00,G01N27/62	(71)Name of Applicant:
(31) Priority Document No	:61/680865	1)SMITHS DETECTION WATFORD LIMITED
(32) Priority Date	:08/08/2012	Address of Applicant :459 Park Avenue Bushey Watford
(33) Name of priority country	:U.S.A.	Hertfordshire WD23 2BW U.K.
(86) International Application No	:PCT/GB2013/052127	(72)Name of Inventor:
Filing Date	:08/08/2013	1)FITZGERALD John Patrick
(87) International Publication No	:WO 2014/023971	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An inlet closure assembly includes a housing that defines an inlet configured to receive a fluid such as airflow from the surrounding environment. The inlet closure assembly also includes a seal member that defines an inlet path in fluid communication with the inlet defined by the housing. The inlet closure assembly further includes a seat member configured to seat with respect to the seal member. The seat member is configured to obstruct the inlet path in its seated orientation. The inlet closure assembly also includes an actuation member configured to move the seat member into and out of seated engagement with the seal member. The inlet closure assembly further includes a biasing member for biasing the seat member into seated engagement with the seal member when the seat member is positioned to obstruct the inlet. The biasing member can be implemented using a magnet a spring and so forth.

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHOD FOR MANUFACTURING STEEL PIPE

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (51) International Publication No (62) Divisional to Application Number Filing Date (53) Filing Date (54) Priority Document No (55) PA (56) POPT/JP2012/ (57) POPT/JP2012/ (59) POPT/JP2012/ (50) POPT/JP	1)HORIE Masayuki
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#### (57) Abstract:

In this method for manufacturing a steel pipe a steel sheet the edges of which have been bent is subjected to three point bending a plurality of times in a widthwise direction so as to form said steel sheet into a cylinder and after abutting parts are welded together so as to produce a pipe blank (1) a pipe expander provided with a plurality of pieces of expansion hardware (2) is inserted into the pipe blank and the pipe blank is expanded. By expanding the pipe blank with the expansion hardware (2) placed up against each section (9) of the pipe blank that was not deformed by the three point bending steel pipes with excellent dimensional precision can be manufactured with high yield. Letting N represent the number of pieces of expansion hardware the three point bending is preferably performed aN-1 times (a being an integer e.g. 1, 2 etc.).

(21) Application No.814/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: ISOLATION METHOD AND APPARATUS

(51) International

:A61G10/00,E04H1/00,E04H15/00

classification (31) Priority Document No

:2012903331 :02/08/2012

(32) Priority Date (33) Name of priority country

:Australia

(86) International Application

:PCT/AU2013/000846

:01/08/2013

:NA

Filing Date (87) International Publication

:WO 2014/019022 (61) Patent of Addition to

**Application Number** 

:NA Filing Date (62) Divisional to Application :NA Number

Filing Date

(71)Name of Applicant:

1) CARE STRATEGIC D.I.R. HOLDINGS PTY LTD

Address of Applicant :18 Silky Oak Court Ninderry

Oueensland 4561 Australia (72) Name of Inventor:

1)BALLANTYNE Justin Douglas

2)BURKWOOD James Edward Robert

3)BALLANTYNE Anna Louise

#### (57) Abstract:

Apparatus for use in isolating a subject the apparatus including a frame movable between collapsed and erected configurations a body supported by the frame wherein in the erected configuration the body defines an internal volume for containing a subject to thereby substantially isolate the subject from a surrounding environment and a door actuator supported by the frame for moving a door between open and closed positions to thereby provide access to the internal volume.

(21) Application No.833/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: PROCESS FOR THE PREPARATION OF PEMETREXED AND LYSIN SALT THEREOF

(51) International classification :C07D487/04,A61K31/519,A61P35/00 (31) Priority Document No :RM2012A000398 (32) Priority Date :08/08/2012 (33) Name of priority country :Italy

(86) International Application No :PCT/IB2013/056497

Filing Date :08/08/2013

(87) International Publication No :WO 2014/024164

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA
:NA

(71)Name of Applicant : 1)BERLIN CHEMIE AG

Address of Applicant :Glienicker Weg 125 12489 Berlin

Germany

(72)Name of Inventor:
1)BONACCORSI Fabrizio
2)CALVANI Federico
3)PASQUI Franco

## (57) Abstract:

The present invention refers to a process for the synthesis of pemetrexed and salts thereof in particular to a lysine salt thereof to said salt as such and to pharmaceutical compositions that comprise the same. Furthermore the present disclosure also relates to a crystalline form of the synthesis intermediate pemetrexed diethyl ether and a crystalline form of the pemetrexed lysine salt.

(21) Application No.891/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/02/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: LIQUID PANEL ASSEMBLY

(51) International classification :F28F3/08,F24F12/00,F28F27/02 (71)Name of Applicant : (31) Priority Document No

:61/692798 (32) Priority Date :24/08/2012

(33) Name of priority country :U.S.A.

(86) International Application :PCT/CA2013/000608

:26/06/2013 Filing Date

(87) International Publication No:WO 2014/029003

(61) Patent of Addition to :NA Application Number :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1) VENMAR CES INC.

Address of Applicant: 1502 D. Quebec Ave. Saskatoon

Saskatchewan S7K 1V7 Canada

(72)Name of Inventor:

1)LEPOUDRE Phillip Paul

2)COUTU Kenneth

3)HEMINGSON Howard Brian

# (57) Abstract:

A liquid panel assembly configured to be used with an energy exchanger may include a support frame having one or more fluid circuits and at least one membrane secured to the support frame. Each of the fluid circuits may include an inlet channel connected to an outlet channel through one or more flow passages. A liquid is configured to flow through the fluid circuits and contact interior surfaces of the membrane(s). The fluid circuits are configured to at least partially offset liquid hydrostatic pressure with friction loss of the liquid flowing within the fluid circuits to minimize eliminate or otherwise reduce pressure within the liquid panel assembly.

(21) Application No.912/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PRAMIPEXOLE TRANSDERMAL DELIVERY FOR SEVERE HEADACHES

<ul> <li>(51) International classification</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>	:A01N43/78,A61K31/41 :13/570593 :09/08/2012 :U.S.A. :PCT/US2013/053400 :02/08/2013 :WO 2014/025638 :NA :NA	(71)Name of Applicant:  1)MYLAN INC.  Address of Applicant: 781 Chestnut Ridge Road Morgantown West Virginia 26505 U.S.A. (72)Name of Inventor:  1)ROSSI David Thomas
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention relates to a method for the treatment and prevention of cluster headaches and migraines using the transdermal administration of pramipexole

(21) Application No.931/DELNP/2015 A

Address of Applicant :14 Boulevard Charles Pguy F 30319

1)BOOSTHEAT

(72) Name of Inventor:

Ales France

(19) INDIA

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: DEVICE FOR COMPRESSING A GASEOUS FLUID

(51) International classification :F01B7/16,F04B25/00,F25B9/14 (71)Name of Applicant:

(31) Priority Document No :1257738 (32) Priority Date :09/08/2012

(33) Name of priority country :France

(86) International Application No:PCT/EP2013/065786

Filing Date :26/07/2013

(87) International Publication No: WO 2014/023586

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to Application

Number :NA
Filing Date

:26/07/2013 **1)JOFFROY Jean Marc** n No :WO 2014/023586

#### (57) Abstract:

Modular device for compressing gaseous fluid comprising a first stage (E1) with a first hot chamber (E11) a second cold chamber (E12) a piston assembly (7) separating the first and second chambers inside a main enclosure a regenerative heat exchanger (9) establishing a fluid communication between the first and second chambers by means of at least a first communication line (F1) and optionally third and fourth chambers (E21 E22) separated by a fixed divider (61) separating the third and fourth chambers placed in communication by a second communication line (F2). It thus proposes a compressor with one two or four stages based on a modular architecture with common components.

(22) Date of filing of Application :06/02/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: METAL/RESIN COMPOSITE STRUCTURE AND METAL MEMBER

(51) International classification: C23F1/00,B29C45/14,B32B15/08 (71)Name of Applicant:

(31) Priority Document No :2013149031 (32) Priority Date :18/07/2013

(33) Name of priority country :Japan

(86) International Application :PCT/JP2014/069111

:17/07/2014 Filing Date

(87) International Publication :WO 2015/008847

(61) Patent of Addition to

:NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)MITSUI CHEMICALS INC.

Address of Applicant: 5 2 Higashi Shimbashi 1 chome Minato

ku Tokyo 1057117 Japan (72) Name of Inventor:

1)INOUE Goro 2)KONDO Yuki

3)TAKAMATSU Haruka

4)KIMURA Kazuki 5)MISUMI Masaki

6)OKUMURA Hiroshi

### (57) Abstract:

A metal/resin composite structure (106) is obtained by joining a metal member (103) and a resin member (105) made of a thermoplastic resin composition (P). When three arbitrary straight line parts which are present on the surface (110) of the metal member (103) in parallel with each other and three arbitrary straight line parts which are perpendicular to said straight line parts namely six straight line parts in total are subjected to surface roughness measurement according to JIS B0601 (corresponding international standard: ISO4287) the surface roughness values measured satisfy the requirements (1) and (2) simultaneously: (1) at least one of the straight line parts exhibits a material ratio of the roughness profile (Rmr) of 30% or less as determined at a section level of 20% and an evaluation length of 4mm; and (2) the ten point average roughness values (Rz) of all the straight line parts as determined at an evaluation length of 4mm exceed 2µm.

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : FLEXIBLE EXPANDABLE ELECTRODE AND METHOD OF INTRALUMINAL DELIVERY OF PULSED POWER

<ul> <li>(51) International classification</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>	:13/565307 :02/08/2012 :U.S.A.	(71)Name of Applicant:  1)ETHICON ENDO SURGERY INC.  Address of Applicant: 4545 Creek Road Cincinnati OH 45242 U.S.A. (72)Name of Inventor:  1)BAKOS Gregory J.  2)PLESCIA David N.  3)LONG Gary L.  4)SHIRES Peter K.
(62) Divisional to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number		

#### (57) Abstract:

A surgical instrument such as an electrical ablation device includes an elongate member having therealong disposed a first electrode extending along an axis. A first expandable portion extends along the axis and defines a first perimeter of the first electrode and has an associated first diameter with respect to the axis. The first expandable portion includes a first framework selectively expandable to transition the first expandable portion from a contracted state to an expanded state. The first framework is selectively contractible to transition the first expandable portion from the expanded state to the contracted state. When the first framework is expanded the first diameter is expanded and the first expandable portion is transitioned from the contracted state to the expanded state. When the first framework is contracted the first diameter is contracted and the first expandable portion is transitioned from the expanded state to the contracted state.

(21) Application No.834/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SEAT SLIDE DEVICE FOR VEHICLE

(51) International classification	:B60N2/08	(71)Name of Applicant:
(31) Priority Document No	:2012177456	1)AISIN SEIKI KABUSHIKI KAISHA
(32) Priority Date	:09/08/2012	Address of Applicant :1 Asahi machi 2 chome Kariya shi
(33) Name of priority country	:Japan	Aichi 4488650 Japan
(86) International Application No	:PCT/JP2013/070930	(72)Name of Inventor:
Filing Date	:01/08/2013	1)KOKUBO Motohiro
(87) International Publication No	:WO 2014/024779	2)MASUDA Satoshi
(61) Patent of Addition to Application	:NA	3)OGI Tsuneo
Number	:NA	4)SOGAMOTO Daichi
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A seat slide device for a vehicle is provided with a lower rail an upper rail and a lock mechanism which is capable of restricting the relative movement of the upper rail. The upper rail has a pair of side wall sections facing each other in the widthwise direction. The lock mechanism is provided with a lock lever having a pivot axis intersecting both the side wall sections and supported by the upper rail so as to be capable of swinging. Either the lock lever or the upper rail is provided with a deformation prevention member disposed between both the side wall sections and this can prevent the deformation of the upper rail which reduces the gap between both the side wall sections.

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: MULTI BAND RECEIVER AND SIGNAL PROCESSING 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> <li>(61) Patent of Addition to Application</li> </ul>	:H04B1/06 :NA :NA :NA :PCT/CN2012/081975 :26/09/2012 :WO 2014/047796 :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)LIAO Jichang 2)PENG Jiangyan 3)WANG Yong
` /		5)WANG 10lig

### (57) Abstract:

Present invention provides a multi band receiver for receiving and processing different frequency band signals which comprises: a direct sampling module for receiving and processing a low frequency band input signal from a first antenna; at least one single down conversion module for receiving and processing a high frequency band input signal from a second antenna; a combiner coupled to the direct sampling module and the at least one single down conversion module for combining the low frequency band input signal received from the direct sampling module and the high frequency band input signal received from the at least one single down conversion module; an Analog Digital Converter (ADC) coupled to the combiner for converting analog signal received from the combiner into digital signal.

1)TYCO ELECTRONICS (SHANGHAI) CO. LTD.

Waigaoqiao Free Trade Zone Shanghai 200233 China

(72) Name of Inventor:

1)ZHU Xiaobo

Address of Applicant: Level 1 No. 142 He Dan Road

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: ELECTRICAL CONNECTOR AND CONDUCTIVE TERMINAL ASSEMBLY THEREOF

:H01R13/6461,H01R12/72 (71)Name of Applicant : (51) International classification (31) Priority Document No :201210279536.2

(32) Priority Date :07/08/2012 (33) Name of priority country :China

(86) International Application No :PCT/IB2013/056437

Filing Date :06/08/2013 (87) International Publication No :WO 2014/024134

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA

(57) Abstract:

Filing Date

2)HUANG Vincent

The present invention proposes a conductive terminal assembly (10) for use in an electrical connector comprising; four pairs (A-D) of differential signal terminals (1-8) each terminal having a soldering portion (11) a contact portion (12) and a body portion (13); and a terminal plate made of a dielectric material and used to carry the differential signal terminals; wherein the four pairs of differential signal terminals are arranged in an array on the terminal plate wherein the body portions of two terminals (2, 3) coming from different differential signal terminal pairs (A, B) on the same column (AB) of the array and being adjacent to each other in the direction of the column (AB) are offset transversely from a longitudinal direction along said contact and body portions; the body portions of two terminals (1, 3; 2, 4) coming from differential signal terminal pairs (A, B) on the same column (AB) of the array and being far away from each other in the direction of the column (AB) have an increased alignment area so that in the two different differential signal terminal pairs the single end coupling (2 to 3) between terminals with opposite polarities is equivalent to the single end coupling (1 to 3 and 2 to 4) between terminals with the same polarity to be counteracted with each other and reduce differential crosstalk.

(21) Application No.959/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention: ARMATURE FOR AN ACTUATOR DEVICE

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number :N	102012214655.5 17/08/2012 Germany	(71)Name of Applicant:  1)ROBERT BOSCH GMBH  Address of Applicant:Postfach 30 02 20 70442 Stuttgart  Germany  (72)Name of Inventor:  1)SCHNITTGER Dirk  2)BRAUN Wolfgang  3)ENGELBERG Ralph  4)WERNAU Alexander
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#### (57) Abstract:

The invention relates to an armature for an actuator device comprising at least one magnet. In order to improve the armature for an actuator device comprising at least one magnet the outer radial region of said armature (8) is provided with a coating (44).

(21) Application No.981/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: DUAL CIRCUIT MODULAR INJECTION TUBE

(51) International classification :F02C7/22,F02C7/228,F02C9/26 (71)Name of Applicant :

(31) Priority Document No :1257622 (32) Priority Date :06/08/2012

(33) Name of priority country :France

(86) International Application No:PCT/FR2013/051822

Filing Date :29/07/2013

(87) International Publication No: WO 2014/023892

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)TURBOMECA

Address of Applicant :F 64510 Bordes France

(72)Name of Inventor: 1)ZORDAN Cdric Roger 2)FRANCEZ Xavier

#### (57) Abstract:

The invention relates to the field of turbine engine injection tubes and more specifically to a turbine engine injection tube (101) including: a first set of transfer tubes (102) connected so as to form a main circuit for supplying fuel to at least a first and second injector set (100, 1000); and a second set of transfer tubes (102) connected parallel to the first set so as to form an auxiliary circuit for supplying fuel to said first injector set (100). The tube (101) also includes in particular at least one dual connection (104) having at least one first tip (501) in which one end of a transfer tube (102) from the main circuit is received; one second tip (502) in which one end of a transfer tube (502) from the auxiliary circuit is received; and a mounting surface having a first opening fluidly connected to the first tip (501) and a second opening (512) fluidly connected to the second tip (502). Said surface for mounting the dual connection (104) is capable of connecting the dual connection (104) to an injector of said first injector set (100).

(21) Application No.957/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: 5 HT3 RECEPTOR ANTAGONISTS

:17/07/2012

:16/07/2013

:PCT/US2013/050746

:WO 2014/014951

:U.S.A.

:NA

:NA

:NA

(51) International :C07D401/04,C07D401/12,C07D401/14 classification

(31) Priority Document :61/672709

(32) Priority Date

(33) Name of priority country

(86) International

Application No Filing Date

(87) International

Publication No

(61) Patent of Addition to :NA **Application Number** 

Filing Date

Filing Date (62) Divisional to **Application Number**  (71)Name of Applicant:

1)TAKEDA PHARMACEUTICAL COMPANY LIMITED

Address of Applicant: 1 1 Doshomachi 4 chome Chuo ku

Osaka shi Osaka 541 0045 U.S.A.

(72) Name of Inventor:

1)HITCHCOCK Stephen

2)MONENSCHEIN Holger

3) REICHARD Holly

4)SUN Huikai

5)KIKUCHI Shota

6)MACKLIN Todd

7) HOPKINS Maria

# (57) Abstract:

The present invention provides 5-HT3 receptor antagonists of Formula (I): which are useful for the treatment of diseases treatable by inhibition of 5-HT3 receptor such as emesis pain drug addiction neurodegenerative and psychiatric disorders and GI disorders. Also provided are pharmaceutical compositions containing such compounds and processes for preparing such compounds.

(21) Application No.960/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: NEW BICYCLIC DERIVATIVES

(51) International :C07D487/04,A61K31/407,A61P13/12

classification
(31) Priority Document No :12185941.7

(32) Priority Date(33) Name of priority

country :EPO

(86) International :PCT/EP2013/069679

Application No
Filing Date

1 C1/E1 201
23/09/2013

(87) International Publication No :WO 2014/048865

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to Application Number Filing Date :NA (71)Name of Applicant:

1)F. HOFFMANN LA ROCHE AG

Address of Applicant: Grenzacherstrasse 124 CH 4070 Basel

Switzerland

(72)Name of Inventor:

1)HERT Jr'me

2)HUNZIKER Daniel 3)MATTEI Patrizio 4)MAUSER Harald 5)TANG Guozhi

6)WANG Lisha

# (57) Abstract:

The invention provides novel compounds having the general formula (I) wherein R1, Y, A, W, R2, m, n, p and q are as described herein compositions including the compounds and methods of using the compounds.

(21) Application No.837/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: 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 No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:C07C229/22 :12179277.4 :03/08/2012 :EPO :PCT/EP2013/066317 :02/08/2013 :WO 2014/020164 :NA	(71)Name of Applicant:  1)PHOTOCURE ASA Address of Applicant:Hoffsveien 4 N 0275 Oslo Norway (72)Name of Inventor:  1)BR†NDEN Jon Erik 2)CHARNOCK Colin Barry 3)GODAL Aslak 4)KLAVENESS Jo 5)NILSEN Nils Olav
(61) Patent of Addition to Application		4)KLAVENESS Jo

#### (57) Abstract:

The invention relates to new derivatives of 5-aminolevulinic acid (5-ALA) and their use as photosensitizing agents. In particular, it relates to compounds of general formula I and their pharmaceutically acceptable salts, to methods for preparing such compounds and their medical and cosmetic use, for example in methods of photodynamic therapy and diagnosis: wherein R 1 represents a hydrogen atom or an optionally substituted alkyl or cycloalkyl group; R2, each of which may be the same or different, represents a hydrogen atom or an optionally substituted alkyl group; and X is a linking group.

(21) Application No.855/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/02/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: DIRECTIONAL ELUTING IMPLANTABLE MEDICAL DEVICE

:A61F2/82,A61F2/86,A61F2/90 (71)Name of Applicant : (51) International classification

(31) Priority Document No :61/679955 (32) Priority Date :06/08/2012 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2013/050904

Filing Date :17/07/2013

(87) International Publication No :WO 2014/025506 (61) Patent of Addition to

:NA **Application Number** :NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

1) SOUTH DAKOTA BOARD OF REGENTS

Address of Applicant :306 East Capitol Ave Suite 200 Pierre

South Dakota 57501 U.S.A. (72) Name of Inventor:

1)MANI Gopinath

#### (57) Abstract:

Implantable medical devices may directionally elute a first therapeutic agent that promotes the growth of endothelial cells and a second therapeutic agent that inhibits the growth of smooth muscle cells. In some embodiments implantable medical devices may elute a first therapeutic agent such as an anti proliferative drug from an abluminal side of the implantable medical device and a second therapeutic agent such as an endothelialization agent from a luminal side of the implantable medical device.

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : PROCESS FOR REGENERATING SULFUR CROSSLINKED RUBBER VULCANIZATES TO REGENERATES

(51) International classification: C08J11/10,C08J11/28,C08K5/372 (71) Name of Applicant: (31) Priority Document No 1)CONTINENTAL REIFEN DEUTSCHLAND GMBH :10 2012 108 096.8 (32) Priority Date Address of Applicant: Vahrenwalder Str. 9, 30165 Hannover :31/08/2012 (33) Name of priority country Germany :Germany (86) International Application (72) Name of Inventor: :PCT/EP2013/050006 1)MLLER Lena :02/01/2013 2) RECKER Carla Filing Date (87) International Publication 3)V-LKER Thomas :WO 2014/032818 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA

#### (57) Abstract:

Filing Date

The invention relates to a process for regenerating sulfur crosslinked rubber vulcanizates to regenerates wherein at least one regenerating agent is used in the regeneration said regenerating agent being selected from the group consisting of dithiophosphoryl polysulfides and/or silanes having a polysulfane group. Regenerates which have been produced by means of the process according to the invention lead to improved or equal rolling resistance indicators and a lower compression set in vulcanized rubber mixtures compared to regenerates known in the prior art.

(21) Application No.838/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: HYDROTREATING PROCESS AND APPARATUS RELATING THERETO

(51) International :C10G49/22,C10G47/00,C10G45/00

classification

(31) Priority Document No :13/589960 (32) Priority Date :20/08/2012

(33) Name of priority country:U.S.A.

(86) International :PCT/US2013/052043

Application No :25/07/2013

Filing Date

(87) International Publication :WO 2014/031281

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71) Name of Applicant:

1)UOP LLC

Address of Applicant :25 East Algonquin Road P. O. Box

5017 Des Plaines Illinois 60017-5017 U.S.A.

(72)Name of Inventor:

1)HOEHN Richard

2)BANERJEE Soumendra Mohan

3)BOWMAN Dave

4)ZHU Xin X.

## (57) Abstract:

One exemplary embodiment can be a process for treating a hydroprocessing fraction. The process can include obtaining a bottom stream from a fractionation zone and passing at least a portion of the bottom stream to a film generating evaporator zone for separating a first stream containing less heavy polynuclear aromatic compounds than a second stream.

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : HYDROGEN RECYCLE AND HYDROGEN CHLORIDE RECOVERY IN AN ALKYLATION PROCESS

(51) International classification	:C10G29/20,B01J31/02	(71)Name of Applicant:
(31) Priority Document No	:13/563385	1)CHEVRON U.S.A. INC.
(32) Priority Date	:31/07/2012	Address of Applicant :6001 Bollinger Canyon Road San
(33) Name of priority country	:U.S.A.	Ramon California 94583 U.S.A.
(86) International Application No	:PCT/US2013/044446	(72)Name of Inventor:
Filing Date	:06/06/2013	1)TIMKEN Hye Kyung Cho
(87) International Publication No	:WO 2014/021988	2)CLEVERDON Robert Fletcher
(61) Patent of Addition to Application	:NA	3)CHANG Bong Kyu
Number		4)MOHR Donald Henry
Filing Date	:NA	5)PHILLIPS Christine Marie
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

We provide an alkylation process comprising: separating and recycling a hydrogen gas and a hydrogen chloride from an offgas of a hydrogenation reactor; wherein the hydrogen gas is recycled to the hydrogenation reactor; and wherein the hydrogen chloride is recycled to an alkylation reactor. We also provide an alkylation process unit for performing this process.

(21) Application No.940/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/02/2015 (43) Publication Date: 12/06/2015

### (54) Title of the invention: AIR CONDITIONER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:F24F11/02 :2012227664	(71)Name of Applicant: 1)HITACHI APPLIANCES INC.
(32) Priority Date	:15/10/2012	Address of Applicant :16 1 Kaigan 1 chome Minato ku Tokyo
(33) Name of priority country	:Japan	1050022 Japan
(86) International Application No	:PCT/JP2013/076465	(72)Name of Inventor:
Filing Date	:30/09/2013	1)YOKOZEKI Atsuhiko
(87) International Publication No	:WO 2014/061431	2)NAKAYAMA Susumu
(61) Patent of Addition to Application Number	:NA	3)TSUBOE Hiroaki
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The purpose of the present invention is to provide an air conditioner with which the compressor discharge temperature can be kept from rising and with which the air conditioning capability of each of a plurality of indoor units can be controlled separately. This air conditioner is made as a multi room air conditioner that constitutes a refrigeration cycle by connecting by using a liquid pipe (121) and a gas pipe (122): an outdoor unit (100) including an outdoor heat exchanger; and a plurality of indoor units (200, 300) each including an indoor heat exchanger (201 301) and an indoor expansion mechanism (203, 303). R32 or a mixed refrigerant including greater than or equal to 70 mass% of R32 is used as the refrigerant that circulates the refrigeration cycle. The air conditioner further comprises a temperature difference detection device that detects the air temperature difference between the inlet side air and the outlet side air of the indoor heat exchanger of each said indoor unit. The air conditioning capability of each said indoor unit is controlled by adjusting the indoor expansion mechanism of each said indoor unit on the basis of the air temperature difference in each said indoor unit as detected by the temperature difference detection device.

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: TRANSACTION SUPPORT 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</li> <li>Number</li> <li>Filing Date</li> </ul>	:G06Q30/06 :2012-176514 :08/08/2012 :Japan :PCT/JP2013/071574 :08/08/2013 :WO 2014/024999 :NA :NA	(71)Name of Applicant:  1)KEYSOFT INC.  Address of Applicant:116-1 Kouyama Matsuda machi Ashigarakami gun Kanagawa 2580002 Japan (72)Name of Inventor:  1)KAGIWADA Yoshimitsu
` '		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

[Problem] To automate the generation of transaction data and reduce the labor required by persons related to the transaction when conducting transactions between multiple businesses. [Solution] A transaction information processing unit (1) automatically generates delivery slip data from order slip data corresponding to a transaction between multiple businesses on the basis of the corresponding relationship stored in a generation rules storage unit (4) and then stores the delivery slip data in a transaction information storage unit (2). In addition the transaction information processing unit (1) automatically generates traceability information for the transaction and stores the same as transaction information in the transaction information storage unit (2) by using a buyer business identifier and a seller business identifier stored in the automatically generated delivery slip data and associating the seller business identifier and the buyer business identifier with one another for each transaction or for each product corresponding to the transaction.

(21) Application No.847/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/02/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: LFA-1 INHIBITOR AND POLYMORPH THEREOF

(51) International :C07D405/00,C07D405/02,C07D405/10 classification

(31) Priority Document

:61/675663

:25/07/2012 (32) Priority Date (33) Name of priority

country

:U.S.A.

(86) International Application No

:PCT/US2013/052044

Filing Date

:25/07/2013

(87) International Publication No

:WO 2014/018748

(61) Patent of Addition to :NA

:NA

**Application Number** Filing Date (62) Divisional to

:NA :NA

**Application Number** Filing Date

(71)Name of Applicant:

1)SARCODE BIOSCIENCE INC.

Address of Applicant: 1000 Marina Blvd. Suite 250 Brisbane

CA 94005 U.S.A.

(72) Name of Inventor:

1)ZELLER James Robert

2) VENKATRAMAN Sripathy

3)BROT Elisabeth C.A.

4)IYER Subashree

5)HALL Michael

# (57) Abstract:

Methods of preparation and purification of a compound intermediates thereof a polymorph thereof and related compounds are disclosed. Formulations and uses thereof in the treatment of LFA -1 mediated diseases are also disclosed.

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: THERAPEUTIC SUPPORT FOR BEING WORN BY A SUBJECT

<ul> <li>(51) International classification</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>	:2012902897 :06/07/2012 :Australia :PCT/AU2012/000931 :03/08/2012 :WO 2014/005170	(71)Name of Applicant:  1)CHEZLEON PTY LIMITED  Address of Applicant: c/o Suite 4 Level 3 20 George St.  Hornsby New South Wales 2077 Australia (72)Name of Inventor:  1)POLLOCK Cheryl Leonie
•		1)POLLOCK Cheryl Leonie
	:WO 2014/005170	
	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

There is provided a flexible therapeutic support (32, 35, 40, 48, 54) for the prophylaxis or treatment of the accumulation of a fluid in the body of a subject in need thereof. The therapeutic support has a plurality of protruberances (14) for respectively applying localised pressure to an area of the subjects body with, or subject to, accumulation of the fluid, the support being con figured to be worn by the subject over the area and press the protruberances (14) against the body of the subject, and the protruber ances being spaced apart from one another about the face (12) of the support. There are also provided methods for the prophylaxis or treatment of the accumulation of a fluid in the subjects body comprising wearing the therapeutic support (32, 35, 40, 48, 54) over the area to be treated by the support. The accumulated fluid can, for instance, be lymphoedema or other form of oedema.

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : DECORATIVE RING DEVICE FOR FREE FLOATING INTERFACE OF AIRCRAFT INTERIOR SIDEWALL WINDOW LINING

<ul> <li>(51) International classification</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>	:13/665858 :31/10/2012 :U.S.A.	(71)Name of Applicant:  1)THE BOEING COMPANY  Address of Applicant:100 North Riverside Plaza Chicago Illinois 60606 2016 U.S.A.  (72)Name of Inventor:  1)MCCAMMON William E.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An interior lining interface incorporates a decorative interface ring (40) having a substantially flat flange (44) with multiple bearing ring bosses 48) on an inner surface (50) of the flange (44) for engagement of an inner surface (58) of a rim (14) of a window ring (12); multiple friction fit legs (54) extend from the flange (44) and are received within and constraining the interface ring (40) to the widow ring rim (14); a window reveal (18) has a mating surface contacting the flange. A method for establishing a low tolerance interface between a window ring (12) and a window reveal (18) is also disclosed.

(21) Application No.961/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention: 3, 4-DISUBSTITUTED OXAZOLIDINONE DERIVATIVES AND THEIR USE AS INHIBITORS OF THE CALCIUM ACTIVATED POTASSIUM CHANNEL

(51) International :C07D413/04,C07D413/06,C07D263/20

classification

(31) Priority Document :12190319.9

(32) Priority Date :29/10/2012

(33) Name of priority country

:EPO

(86) International

:PCT/EP2013/072361 Application No :25/10/2013

Filing Date

(87) International

**Publication No** 

:WO 2014/067861

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA

Filing Date

(71)Name of Applicant:

1)F. HOFFMANN LA ROCHE AG

Address of Applicant :Grenzacherstrasse 124 CH 4070 Basel

Switzerland

(72) Name of Inventor:

1)GREEN Luke 2)WANG Haiyan

#### (57) Abstract:

The invention provides compounds having the general formula I wherein n, R1, R2a, R2b, R3a and R3b are as herein defined., composition comprising the compounds and methods of using the compounds.

(21) Application No.984/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: A SOLID BODY VORTEX PUMP

(51) International classification	:F04D1/00,F04D29/44	(71)Name of Applicant:
(31) Priority Document No	:2012902908	1)NEW FLUID TECHNOLOGY PTY LTD
(32) Priority Date	:09/07/2012	Address of Applicant :33 Abbott Court Guanaba Queensland
(33) Name of priority country	:Australia	4216 Australia
(86) International Application No	:PCT/AU2013/000752	(72)Name of Inventor:
Filing Date	:09/07/2013	1)DAY Terrence Robert
(87) International Publication No	:WO 2014/008535	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A pump includes a pump casing that defines a pump chamber the pump casing having an inlet and an outlet. An impeller is arranged with respect to the pump chamber to displace fluid from the inlet into the pump chamber. A vortex shaping mechanism is arranged in the pump chamber and is configured to constrain fluid within the pump chamber into a rotational flow pattern about a rotational axis. At least the casing and the vortex shaping mechanism are configured so that a portion of the fluid is encouraged to establish a solid body vortex with an outer periphery of the solid body vortex being determined by the vortex shaping mechanism and a portion of the fluid defining a diffusion zone in fluid communication with the outlet such that fluid can diffuse across a fluid interface between the solid body vortex and the diffusion zone to generate a pumping pressure at the outlet.

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: METHOD AND DEVICE FOR A COMBINED CONTINUOUS CASTING AND ROLLING 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B21B1/46 :A50328/2012 :20/08/2012 :Austria :PCT/EP2013/064136 :04/07/2013 :WO 2014/029544 :NA :NA :NA	(71)Name of Applicant:  1)SIEMENS VAI METALS TECHNOLOGIES GMBH Address of Applicant: Turmstrae 44 A 4031 Linz Austria (72)Name of Inventor: 1)PEITL Wolfgang 2)LENGAUER Thomas 3)WINKLER Roman
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#### (57) Abstract:

The invention relates to a method and device for producing hot rolled products in a combined continuous casting and rolling system (1). The aim of the invention is to provide a reliable method and a compact combined continuous casting and rolling system (1) by means of which the entire length of a device for separating and removing (6) and the investment and operating costs of the combined continuous casting and rolling system (6) can be reduced. The problem is solved by performing the following method steps in the device for separating and removing (6) in order to overcome a disruption in production in a part of the system located downstream of the device for separating and removing (6): (a) separating the endlessly produced precursor material (3) into a strand portion (21) by means of a shears (9); (b) clamping the strand portion (21) by means of a clamping device (23); (c) raising the foot part of the strand portion (21) from the roller table (4) by means of a raising device (11) whereby the foot of the strand portion (21) is drawn away from the shears (9) in the direction of transport (7); (d) cutting the precursor material (3) passing through the shears (9) into a precursor material portion (10) by means of the shears (9); (e) removing the precursor material portion (10) from the roller table (4) by means of a removing device (8) and removing the strand portion (21) until the combined continuous casting and rolling system (1) is ready to operate again.

(21) Application No.970/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SLAB LASER AND AMPLIFIER AND METHOD 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 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>	:H01S3/06 :13/566144 :03/08/2012 :U.S.A. :PCT/US2013/053166 :01/08/2013 :WO 2014/022635 :NA :NA	(71)Name of Applicant: 1)STUART Martin A. Address of Applicant: 3612 W. Victory Blvd. Burbank CA 91505 U.S.A. 2)CUNNINGHAM Stephen L. (72)Name of Inventor: 1)STUART Martin A. 2)CUNNINGHAM Stephen L.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A slab laser and its method of use for high power applications including the manufacture of semiconductors and deposition of diamond and/or diamond like carbon layers among other materials. A lamp driven slab design with a face to face beam propagation scheme and an end reflection that redirects the amplified radiation back out the same input surface is utilized. A side to side amplifier configuration permitting very high average and peak powers having scalability is also disclosed. Cavity filters adjacent to pump lamps convert the normally unusable UV portion of the pump lamp spectrum into light in the absorption band of the slab laser thereby increasing the overall pump efficiency. The angle of the end reflecting surface is changed to cause the exit beam to be at a different angle than the inlet beam thereby eliminating the costly need to separate the beams external to the laser with the subsequent loss of power.

(21) Application No.817/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: FRAME AND REFRIGERATING 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 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>	:F25D23/06 :201210272927.1 :02/08/2012 :China :PCT/IB2013/001586 :19/07/2013 :WO 2014/020394 :NA :NA	(71)Name of Applicant:  1)CARRIER CORPORATION Address of Applicant: One Carrier Place P.O. Box 4015 Farmington CT 06034 4015 U.S.A. (72)Name of Inventor: 1)SHEN Nathan (Jiarun)
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention involves a frame and a refrigerating apparatus that uses the frame is composed by at least one frame component wherein a VIP material is placed inside of the at least one frame component. The frame is capable of preventing the accumulation of water condensation along the frame has both a better heat insulation effect and an energy saving effect.

(21) Application No.840/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: MULTI TUNEABLE DEGRESSIVE VALVE

<ul> <li>(51) International classification</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>	:F16F9/32,F16F9/34 :13/606039 :07/09/2012 :U.S.A. :PCT/US2013/035751 :09/04/2013 :WO 2014/039107 :NA :NA	(71)Name of Applicant:  1)TENNECO AUTOMOTIVE OPERATING COMPANY INC.  Address of Applicant: 500 North Field Drive Lake Forest Illinois 60045 U.S.A. (72)Name of Inventor:  1)OUKHEDOU MHand Nait 2)MANGELSCHOTS Gert 3)OPDEKAMP Ward 4)BOSMANS Werner
(62) Divisional to Application Number Filing Date	:NA :NA	TIDOSIAI II O WEILEI

#### (57) Abstract:

A shock absorber includes a piston disposed within a pressure tube. A valve assembly is attached to the piston. The valve assembly defines a first fluid flow through an always open fluid passage; a second fluid flow due to elastic deformation of a valve disc of the piston assembly; and a third fluid flow due to movement of the entire valve disc away from the piston. In one embodiment the valve assembly is designed to be pre-assembled at an off line and/or off site location.

(21) Application No.962/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date: 12/06/2015

# (54) Title of the invention: NOVEL PYRIDINE DERIVATIVES

(51) International :C07D401/14,A61K31/4439,A61K31/444 classification

:12181247.3

:EPO

(31) Priority Document

(32) Priority Date :21/08/2012

(33) Name of priority

country

(86) International

:PCT/EP2013/067218 Application No :19/08/2013

Filing Date (87) International

:WO 2014/029722 Publication No

(61) Patent of Addition :NA to Application Number

:NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)F. HOFFMANN LA ROCHE AG

Address of Applicant: Grenzacherstrasse 124 CH 4070 Basel

Switzerland

(72) Name of Inventor:

1)ANSELM Lilli

2)BANNER David 3)HAAP Wolfgang

4)KUHN Bernd

5)LUEBBERS Thomas 6)PETERS Jens Uwe

7)SPINNLER Beat

#### (57) Abstract:

The invention relates to a compound of formula (I) wherein A1, A2 and R1 to R6 are defined as in the description and in the claims. The compound of formula (I) can be used as a medicament.

(22) Date of filing of Application :06/02/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: MACHINE AND CELL FOR THE ASSEMBLY OF VALVE SEATS AND GUIDES

(51) International :B23P19/02,B23P19/04,B23P21/00 classification

(31) Priority Document No :NA

(32) Priority Date (33) Name of priority country

(86) International Application :PCT/ES2012/070625

:13/08/2012 Filing Date

(87) International Publication :WO 2014/027121

(61) Patent of Addition to **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number :NA Filing Date

(71) Name of Applicant:

1)GAINDU S.L.

Address of Applicant :Pol. Ind. Olaso Olaso 45 E 20870

Elgoibar Guipuzcoa Spain (72) Name of Inventor:

1)ARRIOLA BADIOLA Aitzol

2) ZUBIAURRE LODOSO Luis Mara

# (57) Abstract:

The machine for the assembly of valve guides and seats in a cylinder head comprises: a first station (4) for loading and unloading said cylinder head (9) and for loading said guides (13) and seats (12) in an upper mask (11) and a lower mask (10) respectively; a second pressing station (5) for the assembly and pressing of said guides (13) and seats (12) in the cylinder head (9); a rotating table (6) that comprises a first support tool (8) and a second support tool (8) the first and second tools are configured to support a cylinder head (9) and the aforementioned table is configured to rotate so that the first tool (8) and the second tool (8) are arranged alternatively and simultaneously at the first station (4) and at the second station (5); a first manipulator (7) configured to place said guides (13) and said seats (12) in the upper mask (11) and in the lower mask (10) respectively at the first station (4); at least one pressing head (21) configured to snap the seats (12) and guides (13) on to the cylinder head (9) at the second station (5).

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: BIO BASED FIBER GUMS (BFGS) AND PROCESSES FOR PRODUCING BFGS

(51) International classification	:C08L5/00.A23L1/0526	(71)Name of Applicant:
(31) Priority Document No	:61/670188	1)THE UNITED STATES OF AMERICA AS
(32) Priority Date	:11/07/2012	REPRESENTED BY THE SECRETARY OF
(33) Name of priority country	:U.S.A.	AGRICULTURE
(86) International Application No	:PCT/US2013/049116	Address of Applicant :Washington DC 20250 U.S.A.
Filing Date	:02/07/2013	2)Z TRIM HOLDINGS INC.
(87) International Publication No	:WO 2014/011449	(72)Name of Inventor:
(61) Patent of Addition to Application	:NA	1)YADAV Madhav P.
Number	:NA	2)HICKS Kevin B.
Filing Date	.NA	3)JOHNSTON David
(62) Divisional to Application Number	:NA	4)HANAH Kyle A.
Filing Date	:NA	5)SHUKLA Triveni P.

## (57) Abstract:

Processes for the preparation of bio based fiber gums and products produced by these processes and some of their uses.

No. of Pages: 78 No. of Claims: 15

(21) Application No.943/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/02/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: ELECTRONIC CONTROLLER AND METHOD FOR OPERATING AN ELECTRONIC **CONTROLLER**

(51) International classification :G05B19/042,B66C13/18 (71)Name of Applicant : (31) Priority Document No :10 2012 214 656.3 (32) Priority Date :17/08/2012 (33) Name of priority country :Germany (86) International Application No :PCT/EP2013/061699

Filing Date :06/06/2013 (87) International Publication No :WO 2014/026779

(61) Patent of Addition to Application :NA

Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)HIRSCHMANN AUTOMATION AND CONTROL

**GMBH** 

Address of Applicant :Stuttgarter Strasse 45 51 72654

Neckartenzlingen Germany (72) Name of Inventor:

1)TORDY Robert

#### (57) Abstract:

Method for operating an electronic controller to which at least sensors and/or actuators are connected wherein the controller is installed immovably at an installation location characterized in that at least one sensor is used to ascertain the installation location of the controller and the ascertained installation location is taken as a basis for deciding whether or not the controller can be operated.

No. of Pages: 15 No. of Claims: 10

(21) Application No.965/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: NOZZLE DEVICE AND MINIMALLY INVASIVE INJECTION DEVICE COMPRISING SAME

(51) International classification :A61M37/00,A61M5/158,A61M5/315

(31) Priority Document No :1020120078921 (32) Priority Date :19/07/2012

(33) Name of priority country :Republic of Korea

(86) International PCT/KR2013/006270
Application No

Filing Date :12/07/2013

(87) International Publication No :WO 2014/014239

(61) Patent of Addition to Application Number :NA Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)AMOREPACIFIC CORPORATION

Address of Applicant :181 2 ga Hangang ro Yongsan gu Seoul

140 777 Republic of Korea (72)Name of Inventor:
1)PARK Jin Woo
2)KWON Min Kyoung

3)JANG Ji Hye 4)BAE Joon Ho 5)CHOI Jin Kyu

## (57) Abstract:

The present invention relates to a nozzle device and a minimally invasive injection device. According to one embodiment of the present invention the nozzle device for a minimally invasive injection device comprises: an outlet for forming a micro jet of liquid; and a micro sized injection portion connected to the outlet and inserted into the skin tissue at a predetermined depth.

No. of Pages: 42 No. of Claims: 27

(22) Date of filing of Application :06/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention : SEPARATION SYSTEM FOR A POTATO HARVESTING MACHINE OR A PREPARATION MACHINE

(51) International classification	:A01D33/04	(71)Name of Applicant :
(31) Priority Document No	:10 2012 016057.7	1)GRIMME LANDMASCHINENFABRIK GMBH & CO.
(32) Priority Date	:14/08/2012	KG
(33) Name of priority country	:Germany	Address of Applicant :Hunteburger Strae 32 49401 Damme
(86) International Application No	:PCT/EP2013/002447	Germany
Filing Date	:13/08/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/026766	1)KALVERKAMP Klemens
(61) Patent of Addition to Application Number	:NA	2)DETTMER Franz Josef 3)D–HMANN Christian
Filing Date	:NA	JD IIVIII CHISHUI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract:	•	

#### (57) Abstract:

The invention relates to a separation system for a potato harvesting machine or a preparation machine for separating potatoes or similar crops from a mixture of clods stones and similar solid bodies. A conveying assembly is thereby utilized to feed the essentially compact mixture as a delivery flow from where the mixture displaced into the area of at least one drop stage and thereby influenced by way of a conveying means in the form of an air stream can be separated. Thereafter at least the harvested material and the solid bodies respectively can be moved on as individual separated goods and can be moved out of the separation system. The system according to the invention is characterized in that subsequently to the drop stage bringing about a loosening of the mixture at least one retaining element located opposite the falling separated goods and interacting with the at least one air stream is provided. It is thus achieved in a surprisingly simple way that from there at least the harvested material and the solid bodies respectively can be moved on separately in an essentially opposite conveying direction as sorted individual lots.

No. of Pages: 29 No. of Claims: 26

(21) Application No.971/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: TOILET FACILITY

(51) International classification	:A47K11/00,E03D5/014	(71)Name of Applicant:
(31) Priority Document No	:2012189274	1)LIXIL CORPORATION
(32) Priority Date	:29/08/2012	Address of Applicant :1-1, Ojima 2-chome, Koto-ku, Tokyo
(33) Name of priority country	:Japan	1368535 Japan
(86) International Application No	:PCT/JP2013/069270	(72)Name of Inventor:
Filing Date	:16/07/2013	1)NAKAMIYA Toshihiro
(87) International Publication No	:WO 2014/034304	2)MURAI Tatsunori
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Provided is a toilet facility which is configured so that odor is prevented from spreading. A toilet facility has: a solid liquid separation device (10) for separating human wastes into feces which is the solid component and into urine which is the liquid component and allowing the separated urine and flush water which flows in during flushing to flow out downward; a receiving tray (70) having a peripheral wall (71) which rises from a peripheral edge section the receiving tray (70) being disposed below the solid liquid separation device (10) and allowing the separated urine and the flush water to flow therein; a tank (80) having a connection pipe (73) which connects to the receiving tray (70) and containing the urine which flows out of the receiving tray (70) through the connection pipe (73); and a human waste tank (90) for containing when the feces which are separated by the solid liquid separation device (10) and the flush water which flows at a flow rate higher than that at which the flush water can flow through the connection pipe (73) flow into the receiving tray (70) the flush water which overflows the peripheral wall (71).

No. of Pages: 31 No. of Claims: 3

(21) Application No.993/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: GAS TURBINE ENGINE WITH SHORTENED MID SECTION

<ul> <li>(51) International classification</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>	:13/602480 :04/09/2012 :U.S.A.	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: Wittelsbacherplatz 2 80333 M½nchen Germany (72)Name of Inventor: 1)BEECK Alexander R.
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#### (57) Abstract:

An industrial gas turbine engine (10) rated for at least 75 MW maximum output including: a can annular combustion assembly (80); and a single rotor shaft (114); wherein a combustion section length (112) between a trailing edge (28) of a last row of compressor airfoils (20, 22) and a leading edge (54) of first row of turbine blades (56) is less than 20% of an engine length (154) between a leading edge (26) of a first row of compressor airfoils and a trailing edge (66) of a last row of turbine airfoils (60, 62).

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

(21) Application No.945/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: HYBRID ROPE

(31) Priority Document No :121 (32) Priority Date :05/2 (33) Name of priority country :EPC (86) International Application No :PCC Filing Date :03/2	2)DSM IP ASSETS B.V. (72)Name of Inventor: 1)AMILS Xavier 2)DURMUS Beste 3)SMEETS Paulus Johannes Hyacinthus Marie	Ç
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#### (57) Abstract:

Hybrid rope (20) comprising a core element (22) containing high modulus fibers surrounded by at least one outer layer (24) containing wirelike metallic members (26). The core element (22) is coated (23) with a thermoplastic polyurethane or a copolyester elastomer preferably the copolyester elastomer containing soft blocks in the range of 10 to 70 wt %. The coated material (23) on the inner core element (22) is inhibited to be pressed out in between the wirelike members (26) of the hybrid rope (20) and the hybrid rope (20) has decreased elongation and diameter reduction after being in use.

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

(21) Application No.991/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PEER TO PEER WAGERING 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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:G06Q50/34,G06Q50/10 :13/569424 :08/08/2012 :U.S.A. :PCT/US2013/054084 :08/08/2013 :WO 2014/025971 :NA :NA	(71)Name of Applicant:  1)SKILLZ INC.  Address of Applicant:84 State Street Boston MA 02109 U.S.A. (72)Name of Inventor:  1)PARADISE Andrew 2)CHAFKIN Casey 3)PETRALIA Jason 4)ABDALLA Ahmed
(61) Patent of Addition to Application	:NA	3)PETRALIA Jason
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Data characterizing a plurality of players and a wager amount for each player can be received. Each player is enrolled in a third party skills based digital gaming competition. An amount of funds previously deposited by the respective player is secured for each player using an online skills based digital game wagering platform. The secured funds are equal to the wager amount. The funds can be secured such that they cannot be transferred withdrawn or secured for a different wager. Data characterizing a confirmation that each of the plurality of players funds were successfully secured is transmitted. Targeted advertising is described. Related apparatus systems techniques and articles are also described.

No. of Pages: 48 No. of Claims: 29

(22) Date of filing of Application :02/02/2015

(43) Publication Date: 12/06/2015

## (54) Title of the invention: POROUS SILICON BASED NEGATIVE ELECTRODE ACTIVE MATERIAL METHOD FOR PREPARING SAME AND LITHIUM SECONDARY BATTERY COMPRISING SAME

(51) International :H01M4/38,H01M4/134,H01M10/052 classification

:30/05/2013

(31) Priority Document No :1020130061794

(33) Name of priority :Republic of Korea

(32) Priority Date

country

(86) International

:PCT/KR2014/004635 Application No :23/05/2014

Filing Date

(87) International :WO 2014/193124 Publication No

(61) Patent of Addition to

:NA **Application Number** :NA Filing Date (62) Divisional to :NA

**Application Number** :NA Filing Date

(71)Name of Applicant: 1)LG CHEM LTD.

Address of Applicant: 128 Yeoui daero Yeongdeungpo gu

Seoul 150 721 Republic of Korea

(72)Name of Inventor:

1)LEE Yong Ju 2)LEE Mi Rim 3)YOO Jung Woo 4)KIM Je Young

(57) Abstract:

Provided are a porous silicon based negative electrode active material comprising: crystalline silicon (Si) particles; and multiple pores in the surface of the crystalline Si particles or the surface and the interior thereof wherein at least one face of the crystal face of at least a portion of the multiple pores comprises face <110> and a method for preparing the same. The porous silicon based negative electrode active material of the present invention efficiently controls volume expansion that occurs when charging and discharging a lithium secondary battery by having the volume expansion concentrated at the pores rather than the exterior of the negative electrode active material and is thus capable of improving the lifespan characteristic of the secondary battery.

No. of Pages: 52 No. of Claims: 29

(22) Date of filing of Application :04/02/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: CHARGED PARTICLE BEAM DEVICE AND SAMPLE OBSERVATION METHOD

(51) International :H01J37/244,H01J37/16,H01J37/18 classification

(31) Priority Document No :2012-181305 (32) Priority Date :20/08/2012 (33) Name of priority country: Japan

(86) International Application :PCT/JP2013/067756

:28/06/2013

Filing Date

(87) International Publication :WO 2014/030430

(61) Patent of Addition to **Application Number** 

:NA Filing Date (62) Divisional to Application :NA

Number :NA

Filing Date (57) Abstract:

(71)Name of Applicant:

1) HITACHI HIGH TECHNOLOGIES CORPORATION

Address of Applicant :24 14 Nishi Shimbashi 1 chome Minato

ku Tokyo 1058717 Japan (72) Name of Inventor: 1)OMINAMI Yusuke 2)ITO Sukehiro

Provided is a sample observation method whereby a primary charged particle beam is projected upon a sample a secondary charged particle signal which is obtained by the projection is detected and the sample observed. The primary charged particle beam which arises in a charged particle optical barrel which is maintained in a vacuum state is either tunneled or transmitted through a diaphragm which is positioned to separate a space wherein the sample is loaded and the charged particle optical barrel. A tunneling charged particle beam is detected said tunneling charged particle beam being obtained by projecting the primary charged particle beam upon the sample which is placed in a prescribed gas environment at either atmospheric pressure or a pressure state lower than atmospheric

pressure to some degree.

No. of Pages: 52 No. of Claims: 19

(21) Application No.992/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: APPARATUS FOR COMPOSITE TAPE DISPENSING

:B29C70/38,B29K105/08 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)ZOLTEK COMPANIES INC. :NA (32) Priority Date Address of Applicant: 3101 McKelvey Road St. Louis :NA (33) Name of priority country Missouri 63044 U.S.A. :NA (86) International Application No :PCT/US2012/049696 (72) Name of Inventor: Filing Date :06/08/2012 1)BUCKMILLER Daniel K. (87) International Publication No :WO 2014/025333 2) JOHNS Rolf M. (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

An apparatus (10) to apply a resin impregnated tape to the surface (64) of a molding tool (60) the apparatus including: an upper frame (12) rotatably mounted to a base frame (14) the upper frame having mounted thereon and rotatable therewith a spool holding assembly (16) for holding a spool (80) of resin impregnated tape and a spool (224) of scrim material wound thereon a tape compaction assembly (18) including a compaction roller (48) configured to conform to the surface of the molding tool for compacting the resin impregnated tape onto the surface of the molding tool and a tape tensioning system (38) for exerting tension on the resin impregnated tape. The base frame includes a tracking system (20) for tracking the surface of the molding tool the base frame being reciprocally movable with respect to the surface of the molding tool.

No. of Pages: 37 No. of Claims: 5

(21) Application No.969/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

(54) Title of the invention: MACHINE TOOL

(51) International classification	:B23Q39/02	(71)Name of Applicant:
(31) Priority Document No	:NA	1)ETXE TAR S.A.
(32) Priority Date	: -	Address of Applicant :San Antoln 3 E 20870 Elgoibar
(33) Name of priority country	:	(Guipuzcoa) Spain
(86) International Application No	:PCT/ES2012/070609	(72)Name of Inventor:
Filing Date	:06/08/2012	1)AYESTAR • N LAZCANO Francisco
(87) International Publication No	:WO 2014/023855	2)IBARRA GARC‰S Jorge
(61) Patent of Addition to Application	:NA	3)IRIBARREN ARISTIZABAL Ibon
Number	:NA	
Filing Date	.11/11	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a machine tool that comprises at least two workpiece carrier assemblies (11) that each include a workpiece carrier (12) said workpiece carrier assemblies being supported (11) on a respective workpiece carrier support (1) for the horizontal movement thereof in a first direction parallel to a horizontal Z axis; at least one first tool carrier (21) supported on a tool carrier support (2) for the horizontal movement thereof in a second direction said first tool carrier (21) being able to move in said second direction between at least one operating position (A) in which said first tool carrier (21) faces one of said piece carrier assemblies (11) and at least one non operating position in which said first tool carrier (21) does not face any piece carrying assembly (11). The invention also relates to a method for mechanizing a connecting rod using the machine tool.

No. of Pages: 44 No. of Claims: 18

(21) Application No.889/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: TURBINE BLADE STAKING PIN

<ul> <li>(51) International classification</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>	:06/08/2013 :WO 2014/025758	(71)Name of Applicant:  1)SOLAR TURBINES INCORPORATED  Address of Applicant: 2200 Pacific Highway San Diego CA 92186 5376 U.S.A.  (72)Name of Inventor:  1)MULFORD Adam Curtis 2)JARMAKANI Hussam
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:06/08/2013	1)MULFORD Adam Curtis
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A staking pin (22) for a gas turbine engine (100) is disclosed. The staking pin (22) may include a solid portion extending part of a length (400) of the staking pin (22) and a hollow portion extending an additional part of the length (400) of the staking pin (22). The staking pin (22) may be constructed of Alloy X material having an average grain diameter of between about 0.0449 and 0.1270 mm.

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

(21) Application No.909/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :04/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention: NEW PROCESS

8)LUO Lijun

## (57) Abstract:

Provided is a new enantioselective process for producing useful intermediates for the manufacture of NEP inhibitors or prodrugs thereof in particular NEP inhibitors comprising a amino d biphenyl a methylalkanoic acid or acid ester backbone.

No. of Pages: 64 No. of Claims: 28

(21) Application No.928/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PROCEDURE FOR THE PRODUCTION OF TIACUMICIN B

<ul> <li>(51) International classification</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>	:C12P19/62 :MI2012A001406 :07/08/2012 :Italy :PCT/EP2013/065994 :30/07/2013 :WO 2014/023616 :NA :NA	(71)Name of Applicant:  1)OLON SPA Address of Applicant: Strada Rivoltana Km. 6/7 I 20090 Rodano (MI) Italy (72)Name of Inventor:  1)TRIONE Guido 2)MALCANGI Antonella
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to a procedure for the production of tiacumicin B comprising fermentation of a micro-organism capable of producing tiacumicin B, in particular of the species Dactylosporangium aurantiacum or Actinoplanes deccanensis, in a culture broth containing emulsifiers, such as ethoxylated castor oil, in combination with antifoaming products and vegetable oils.

No. of Pages: 21 No. of Claims: 18

(22) Date of filing of Application :06/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention : FINANCIAL SELF SERVICE EQUIPMENT AND BANKNOTE SEPARATION APPARATUS AND SEPARATION METHOD THEREFOR

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number :N	201210356752.2 21/09/2012 China PCT/CN2013/073027 22/03/2013 WO 2014/044034 NA	<ul> <li>(71)Name of Applicant:</li> <li>1)GRG BANKING EQUIPMENT CO. LTD. Address of Applicant: 9 Kelin Road Science City Luogang District Guangzhou Guangdong 510663 China (72)Name of Inventor: 1)YIN Guangjun 2)WU En 3)LI Zhe </li> </ul>
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#### (57) Abstract:

Disclosed is a banknote separation apparatus comprising a banknote support plate used for bearing banknotes to be separated a reference plate used for laying and ordering banknotes a banknote pressing plate used for supplying compression on banknotes to be separated a banknote separating wheel formed with a high friction part and exposed at the outside of the banknote support plate and arranged facing the banknote pressing plate a feeding wheel and a reverse wheel arranged facing the feeding wheel wherein the banknote separating apparatus further comprises a pressure compensation apparatus used to provide a variable compression compensation force to the banknote separating wheel so as to make the total positive pressure to which the banknote separating wheel is subjected constant. That is to say the provision of a pressure compensation apparatus makes the frictional force for separating banknotes of the banknote separation apparatus constant thereby stabilizing the banknote separation performance.

No. of Pages: 20 No. of Claims: 9

(21) Application No.994/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention: CONTAINER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:B65D83/06 :2498/DEL/2012	(71)Name of Applicant: 1)GLAXOSMITHKLINE LLC
(32) Priority Document No	:09/08/2012	Address of Applicant :2711 Centerville Road Suite 400
(33) Name of priority country	:India	Wilmington New Castle DE 19808 U.S.A.
(86) International Application No	:PCT/US2013/054041	(72)Name of Inventor:
Filing Date	:08/08/2013	1)RAMACHANDRAN Ramesh
(87) International Publication No	:WO 2014/025950	2)SABHARWAL Amit
(61) Patent of Addition to Application Number	:NA	3)SAINI Sukhdev Singh
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Aspects of the present invention are directed to a metered dose container that is transit proof. A container of the present invention may comprise a body having a vertical axis; a cap movable along the vertical axis of the body; a removable ring coupled to and between the moveable cap and the body and a barrier inside the body and coupled to the moveable cap. The barrier may define a loading chamber and separate the body into a storage chamber and a dispensing chamber. The barrier is adapted to be movable along the vertical axis of the body to form a transit position and a dispensing position.

No. of Pages: 18 No. of Claims: 11

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: PROCESS FOR THE OPTIMIZED PRODUCTION OF IRON ORE PELLETS

(51) International classification :C22B1/20,C22B1/24,C22B1/243 (71)Name of Applicant: (31) Priority Document No 1)VALE S.A. :61/674633 (32) Priority Date :23/07/2012 Address of Applicant : Av. Gra§a Aranha 26 Centro CEP (33) Name of priority country 20030 000 Rio de Janeiro RJ Brazil :U.S.A. (86) International Application (72) Name of Inventor: :PCT/BR2013/000263 No 1)PIMIENTA Hamilton Porto :22/07/2013 Filing Date 2)BOTELHO Marcus Eduardo Emrich (87) International Publication :WO 2014/015403 (61) Patent of Addition to :NA **Application Number** :NA Filing Date

#### (57) Abstract:

Filing Date

Number

The present invention describes an advantageous and effective streamlined process for the production of iron ore pellets the green pellets replacing the burnt pellets for covering the metallic surface in travelling grate furnace during the burning step the process comprising at least some or all of the steps of grinding the iron ore; filtering the crushed iron ore; mixing the filtered iron ore with at least one binder; pelletizing the mixture; drying the green pellets; transferring the pellets to the side and bottom grids of a travelling grate furnace equipment and screening the burnt iron ore pellets. An optimized process for the production of iron ore pellets is provided that is innovative efficient and economical when compared to currently known processes.

No. of Pages: 9 No. of Claims: 7

(62) Divisional to Application

:NA

:NA

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: RING FOR ATTACHING A BOLT TO A SUPPORT AND ASSEMBLY OBTAINED

:F16B37/08,F16B37/02 (71)Name of Applicant : (51) International classification (31) Priority Document No :1258031 1)A. RAYMOND ET CIE (32) Priority Date :28/08/2012 Address of Applicant: 115 cours Berriat F 38000 Grenoble (33) Name of priority country :France France (86) International Application No :PCT/EP2013/065715 (72) Name of Inventor: Filing Date :25/07/2013 1)BIZZINI Olivier (87) International Publication No :WO 2014/032873 (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 ring (1a) for attaching a bolt (201a) to a support (200a) comprising a body (2a) through which an axial opening (3) extends for receiving the bolt (201a) and flexible tabs (4, 5, 6) extending radially towards the main axis (A) of the axial opening (3) and used to cooperate with the bolt (201a) in order to axially immobilise same said flexible tabs (4, 5, 6) comprising a set of star shaped tabs (4) each one comprising a tongue (40) secured to the body (2a) and extended by a star shaped head (41) formed by a rounded radial end (42) and two radially rounded side cheeks (43) that are at a distance from the body (2a) the width (L2) of the tongue (40) being less than the maximum width (L2) of the radial end (42). The invention also relates to the assembly of an assembly part (100a) provided with such a securing bolt (1a) on a support provided with at least one bolt.

No. of Pages: 19 No. of Claims: 9

(22) Date of filing of Application :06/02/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: OXIME SUBSTITUTED AMIDE COMPOUND AND PEST CONTROL AGENT

(51) International

:C07C251/48,A01N35/10,A01N43/10 classification

(31) Priority Document No :2012156398 :12/07/2012 (32) Priority Date (33) Name of priority

:Japan country

(86) International :PCT/JP2013/069207

Application No :12/07/2013 Filing Date

(87) International :WO 2014/010737 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)NISSAN CHEMICAL INDUSTRIES LTD.

Address of Applicant: 7 1 Kanda Nishiki cho 3 chome

Chivoda ku Tokyo 1010054 Japan

(72)Name of Inventor: 1)IWASA Motovoshi 2)TSUJI Keisuke

3)TOMIZAWA Mitsutaka

4)MITA Takeshi

5)KUWAHARA Hidehito

6)ASAHI Miho

7) IMANAKA Hotaka

#### (57) Abstract:

Provided is a novel pest control agent, particularly a fungicide and nematicide. An oxime-substituted amide compound represented by formula (I) [where G represents a structure represented by G 1-1 or the like; G2 represents a structure represented by G 2-2 or the like; W represents an oxygen atom or the like; X 1 represents a halogen atom, methyl, trifluoromethyl, or the like; X 2, X 3, X 4, and X 5 each independently represent a hydrogen atom, halogen atom, or the like; Y1 and Y3 each independently represent a halogen atom, cyano, methyl, trifluoromethyl, C2-C6 alkynyl, or the like; Y2 and Y4 each independently represent a hydrogen atom, halogen atom, or the like; R represents a C1-C6 alkyl, C1-C4 haloalkyl, (C1 -C4) alkyl substituted by R18, C3-C6 cycloalkyl, c3-c6 alkenyl, or the like; R2 and R3 eacn in dependently represent a hydrogen atom, methyl, or the like; R4 represents a hydrogen atom or the like; R18 represents a C3-C6 cycloalkyl, phenyl, phenyl substituted by (Z) m, or the like; Z represents a halogen atom or the like; and m represents an integer 1, 2, or 3] or a salt thereof, and a pest control agent containing these.

No. of Pages: 308 No. of Claims: 25

(21) Application No.997/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: ERGONOMIC MICROBIAL AIR SAMPLER

<ul> <li>(51) International classification</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>	:07/06/2013 :WO 2014/011335 :NA :NA	(71)Name of Applicant:  1)VELTEK ASSOCIATES INC.  Address of Applicant: 15 Lee Boulevard Malvern Pennsylvania 19460 U.S.A. (72)Name of Inventor:  1)VELLUTATO JR. Arthur L.
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A gas sampler device has a top plate with a concaved outer wall. The concaved outer wall allows users easily to lift the top plate off of the bottom plate without disturbing the bottom plate because the curved surface permits more positive contact between the outer wall and users fingers. Moreover the weight of the top plate is reduced by approximately twenty percent compared to conventional top plates a feature that also makes it easier for users to lift the top plate off of the bottom plate

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

(22) Date of filing of Application :04/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : METHOD FOR CONTROLLING EXTERNAL INPUT AND BROADCAST RECEIVING 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 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>	:H04N21/472,H04N21/4227 :1020120076137 :12/07/2012 :Republic of Korea :PCT/KR2013/006243 :12/07/2013 :WO 2014/010981 :NA	(71)Name of Applicant:  1)SAMSUNG ELECTRONICS CO. LTD.  Address of Applicant: 129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (72)Name of Inventor:  1)CHA Tae hwan 2)PARK Sung woo 3)LEE Yui yoon
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A method for controlling an external input and a broadcast receiving apparatus are provided. The method includes: setting a call word of an external input apparatus connected through an external input terminal; associating the call word with the external input terminal and storing the call word and the external input terminal in association with each other; in response to a voice of a user being input recognizing the voice to determine whether the voice includes the call word; and in response to determining the voice includes the call word enabling the external input terminal corresponding to the call word to communicate with the external input apparatus using the external input terminal corresponding to the call word.

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

(21) Application No.956/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention: RADIATION CURABLE INKJET INKS

<ul> <li>(51) International classification</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>	:C09D11/10 :12189786.2 :24/10/2012 :EPO :PCT/EP2013/070931 :08/10/2013 :WO 2014/063918 :NA :NA :NA	(71)Name of Applicant:  1)AGFA GEVAERT Address of Applicant: IP Department 3622 Septestraat 27 B 2640 Mortsel Belgium (72)Name of Inventor: 1)LOCCUFIER Johan 2)TORFS Rita
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#### (57) Abstract:

A radiation curable ink containing a) a monomer including at least one vinyl ether group and at least one (meth)acrylate group; b) a monomer including a five membered cyclic anhydride; and c) an aliphatic tertiary amine. The radiation curable ink allows stable inkjet printing on solder masks exhibiting good adhesion and high scratch resistance after curing.

No. of Pages: 39 No. of Claims: 15

(21) Application No.976/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015

(43) Publication Date: 12/06/2015

## (54) Title of the invention: TREATMENT OF PULMONARY ARTERIAL HYPERTENSION WITH PROSTACYCLIN TREATED ENDOTHELIAL PROGENITOR CELLS

(51) International classification :A61K35/12,A61K31/557 (71)Name of Applicant : (31) Priority Document No :61/678208 (32) Priority Date :01/08/2012

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2013/052700 Filing Date :30/07/2013

(87) International Publication No :WO 2014/022376

(61) Patent of Addition to Application :NA Number

:NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)UNITED THERAPEUTICS CORPORATION

Address of Applicant: 1040 Spring Street Silver Spring

Maryland 20910 U.S.A. (72) Name of Inventor:

1) JEFFS Roger

2)PETERSEN Thomas 3)ILAGAN Roger M. 4)WADE Michael

#### (57) Abstract:

The current application is directed to a method for treating pulmonary arterial hypertension (PAH) comprising: providing isolated endothelial progenitor cells (EPCs); treating the EPCs with prostacyclin wherein the treated EPCs exhibit a hyperproliferative phenotype with enhanced angiogenic property; and administering a composition comprising the treated EPCs into a subject suffering from PAH.

No. of Pages: 26 No. of Claims: 25

(21) Application No.567/DELNP/2012 A

(19) INDIA

(22) Date of filing of Application :19/01/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: ELECTROLYTE 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> <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>	:H01M 10/40 :61/218,717 :19/06/2009 :U.S.A. :PCT/US2010/039022 :17/06/2010 :WO 2010/148218 :NA :NA	(71)Name of Applicant:  1)W.R. GRACE & COCONN.  Address of Applicant:7500 GRACE DRIVE, COLUMBIA, MARYLAND 21044-4098, U.S.A. (72)Name of Inventor:  1)DORAI RAMPRASAD
· ·	:NA :NA	

#### (57) Abstract:

Electrolyte compositions suitable for use in batteries, such as a lithium ion battery, are disclosed. Methods of making and using electrolyte compositions are also disclosed. Articles of manufacture containing an electrolyte composition are also disclosed.

No. of Pages: 45 No. of Claims: 64

(22) Date of filing of Application :20/01/2012

(43) Publication Date: 12/06/2015

# (54) Title of the invention : 17-HYDROXY-17-PENTAFLUORETHYL-ESTRA-4,9(10)-DIEN-11-ARYL DERIVATIVES, METHODS FOR THE PRODUCTION THEREOF AND USE THEREOF FOR TREATNG DISEASES

		ı
(51) International classification	:C07J 31/00	l
(31) Priority Document No	:10 2009 034 362.8	l
(32) Priority Date	:20/07/2009	l
(33) Name of priority country	:Germany	
(86) International Application No	:PCT/EP2010/004149	l
Filing Date	:07/07/2010	l
(87) International Publication No	:WO 2011/009531	
(61) Patent of Addition to Application	:NA	
Number	.NA	l
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	l
(57) Abstract:		_

(71)Name of Applicant:

1)BAYER INTELLECTUAL PROPERTY GMBH
Address of Applicant :CREATIVE CAMPUS MONHEIM,

ALFRED NOBEL-STR. 10, 40789 MONHEIM, Germany

(72)Name of Inventor:

1)WOLFGANG SCHWEDE

2)ULRICH KLAR

3)CARSTEN MOLLER

4)ANDREA ROTGERI

5)WILHELM BONE

#### (57) Abstract:

The invention relates to 17-hydroxy-17-pentafluoroethyl-estra-4,9(10)-dien-11-aryl derivatives of Formula I with progesterone antagonizing action and method of production thereof, use thereof for the treatment and/or prophylaxis of diseases and use thereof for the production of medicinal products for the treatment and/or prophylaxis of diseases, in particular of fibroids of the uterus (myomas, uterine leiomyoma), endometriosis, heavy menstrual bleeds, meningiomas, hormone-dependent breast cancers and complaints associated with the menopause or for fertility control and emergency contraception.

No. of Pages: 37 No. of Claims: 33

(22) Date of filing of Application :20/01/2012

(43) Publication Date: 12/06/2015

# (54) Title of the invention : METHODS AND COMPOSITION FOR CLEANING A HEAT TRANSFER SYSTEM HAVING AN ALUMINUM 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 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>	:C11D 7/32 :61/223,272 :06/07/2009 :U.S.A. :PCT/US2010/041059 :06/07/2010 :WO 2011/005755 :NA :NA	(71)Name of Applicant:  1)PRESTONE PRODUCTS CORPORATION Address of Applicant:69 EAGLE ROAD DANBURY, CT 06810 U.S.A. (72)Name of Inventor: 1)YANG, BO 2)GERSHUN, ALEKSEI V. 3)WOYCIESJES, PETER
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#### (57) Abstract:

Disclosed herein is a method and treatment system for rapid cleaning and protecting of automotive cooling systems containing controlled atmosphere brazed aluminum heat exchangers. The method and treatment system can optionally include a conditioning (passivating) step. The treatment system can comprise three different parts: (1) cleaner or cleaning solution; (2) conditioner or conditioning solution; and (3) compatible CAB aluminum protective heat transfer fluid.

No. of Pages: 33 No. of Claims: 15

(21) Application No.950/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention: BICYCLIC HETEROARYL CYCLOALKYLDIAMINE DERIVATIVES AS INHIBITORS OF SPLEEN TYROSINE KINASES (SYK)

(51) International :C07D471/04,A61K31/5025,A61P11/00 classification

:U.S.A.

(31) Priority Document :61/682392

(32) Priority Date :13/08/2012 (33) Name of priority

country

(86) International

Application No

:PCT/IB2013/056589 :12/08/2013 Filing Date

(87) International

**Publication No** 

:WO 2014/027300

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71) Name of Applicant: 1)NOVARTIS AG

Address of Applicant :Lichtstrasse 35 CH 4056 Basel

Switzerland

(72) Name of Inventor: 1)THOMA Gebhard 2)BUEHLMAYER Peter 3)VAN EIS Maurice

4)SMITH Alexander Baxter

# (57) Abstract:

The present invention relates to bicyclic heteroaryl cycloalkyldiamine derivatives to processes for their production to their use as SYK inhibitors and to pharmaceutical compositions comprising them. Formula (I)

No. of Pages: 58 No. of Claims: 11

(21) Application No.973/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: RECOVERY OF BASE METALS FROM SULPHIDE ORES AND CONCENTRATES

<ul> <li>(51) International 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>	:C22B1/06,C22B1/08,C22B23/00 :61/674624 :23/07/2012 :U.S.A. :PCT/BR2013/000262 :22/07/2013 :WO 2014/015402	(71)Name of Applicant:  1)VALE S.A.  Address of Applicant: Av. Gra§a Aranha 26 Centro CEP 20030-000 Rio de Janeiro RJ Brazil (72)Name of Inventor:  1)BERNI Tiago Valentim 2)PEREIRA Antonio Clareti 3)GUIMARfES Felipe Hilario
Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The present invention discloses a new recovery of base metals from sulphide ores and concentrates which comprises mixing the base metal s ore with ferric salts heating the said mixture; adding water to form a pulp stirring and filtering the pulp.

No. of Pages: 12 No. of Claims: 10

(21) Application No.935/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SAMPLING GRID INFORMATION FOR SPATIAL LAYERS IN MULTI LAYER VIDEO CODING

<ul> <li>(51) International classification</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>	:61/680244 :06/08/2012 :U.S.A. :PCT/US2013/053733 :06/08/2013 :WO 2014/025741 :NA :NA	(71)Name of Applicant:  1)VID SCALE INC.  Address of Applicant: 200 Bellevue Parkway Suite 300 Wilmington DE 19809 U.S.A. (72)Name of Inventor:  1)YE Yan  2)HE Yuwen 3)DONG Jie
Filing Date	:NA	

#### (57) Abstract:

Sampling grid information may be determined for multi layer video coding systems. The sampling grid information may be used to align the video layers of a coding system. Sampling grid correction may be performed based on the sampling grid information. The sampling grids may also be detected. In some embodiments a sampling grid precision may also be detected and/or signaled.

No. of Pages: 57 No. of Claims: 14

(22) Date of filing of Application :05/02/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : WIRELESS POWER TRANSMITTER WIRELESS POWER RECEIVER AND METHOD FOR CONTROLLING SAME

(51) International classification	:H02J17/00	(71)Name of Applicant :
(31) Priority Document No	:1020120075098	1)SAMSUNG ELECTRONICS CO. LTD.
(32) Priority Date	:10/07/2012	Address of Applicant :129 Samsung ro Yeongtong gu Suwon
(33) Name of priority country	:Republic of Korea	si Gyeonggi do 443-742 Republic of Korea
(86) International Application No	:PCT/KR2013/006167	(72)Name of Inventor:
Filing Date	:10/07/2013	1)BYUN Kang Ho
(87) International Publication No	:WO 2014/010951	2)KIM Nam Yun
(61) Patent of Addition to Application	:NA	3)KWON Hyuk Choon
Number	:NA	4)KIM Ho Dong
Filing Date	.IVA	5)JUN Hae Young
(62) Divisional to Application Number	:NA	6)JUNG Soo Yeon
Filing Date	:NA	7)JUNG Hee Won

#### (57) Abstract:

Disclosed is a method for controlling a wireless power transmitter for transmitting charging power to a wireless power receiver. The control method of the present invention comprises the steps of: adjusting the internal impedance of the wireless power transmitter such that the impedance variation occurring when the wireless power receiver is positioned is set to a second impedance variation different from the first impedance variation; applying detection power for detecting the wireless power receiver; detecting the second impedance variation during the application of the detection power so as to detect the wireless power receiver; and changing the impedance variation occurring when the wireless power receiver is positioned from the second impedance variation to the first impedance variation.

No. of Pages: 45 No. of Claims: 29

(21) Application No.977/DELNP/2015 A

(19) INDIA

(22) Date of filing of Application :06/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention : SYSTEM FOR CONTROLLING THE ELECTROMAGNETIC TORQUE OF AN ELECTRIC MACHINE IN PARTICULAR FOR MOTOR 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 Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:1257616 :06/08/2012 :France :PCT/FR2013/051788 :25/07/2013 :WO 2014/023888 :NA :NA	(71)Name of Applicant: 1)RENAULT S.A.S. Address of Applicant:13 15 quai Le Gallo F 92100 Boulogne Billancourt France (72)Name of Inventor: 1)MALOUM Abdelmalek 2)MERIENNE Ludovic
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

System for controlling the electromagnetic torque of an electric machine in particular for motor vehicle. System for control (1) of the electromagnetic torque of a permanent-magnet three-phase electric machine (10), comprising means (2) for measuring the current, transposition means (3) able to transpose the three measured currents into a direct component (Id) and a quadratic component (I ) of cur rent on the basis of a transform of three-phase Systems, transformation means (4) able to convert a torque setpoint (Cqem) into a setpoint (Ireq ) for the quadratic component (Iq) of current and a setpoint (I.1) for the direct component (la) of current, means for determining the control voltages (Ui, U2, U3) , and control means (9) able to apply the control voltages (Ui, U2, U3) determined to the electric machine (10).

No. of Pages: 21 No. of Claims: 8

# **CONTINUED TO PART- 2**

# **CONTINUED FROM PART-1**

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1064/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :25/03/2013

(43) Publication Date: 12/06/2015

## (54) Title of the invention: COMPRESSED AIR POWERED CAR

	:B60K3/02,	(71)Name of Applicant :
(51) International classification	B60T1/10,	1)Bhavsar Swapnil Chandrakant
	F01B17/02	Address of Applicant :M-64/768, Chitrakut Apartment Sola
(31) Priority Document No	:NA	Road, Naranpura Ahmedabad-380063 Gujarat, India.
(32) Priority Date	:NA	2)Jain Anjil Anvin
(33) Name of priority country	:NA	3)Shah Parin Kamalkumar
(86) International Application No	:NA	4)Dr. Vasani Rupesh Parmanand
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Dr. Vasani Rupesh Parmanand
(61) Patent of Addition to Application Number	:NA	2)Shah Parin Kamalkumar
Filing Date	:NA	3)Jain Anjil Anvin
(62) Divisional to Application Number	:NA	4)Bhavsar Swapnil Chandrakant
Filing Date	:NA	5)Patel Bhupendra Laljibhai
(55) 41		•

## (57) Abstract:

The present invention of "Compressed Air relates to a compressed air motor, comprising, a cylinder, an axially movable piston, a piston rod, and a piston slide valve which is disposed parallel to the cylinder and reverses the compressed drive air and is in actuating connection with the piston by means of a snap-action device.

No. of Pages: 14 No. of Claims: 4

(21) Application No.1205/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :13/06/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHOD FOR STOPPING AND/OR PREVENTING THE SPREAD OF PEAT FIRES

<ul><li>(51) International classification</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	(71)Name of Applicant: 1)S.P.C.M. SA Address of Applicant: ZAC de Milieux F 42160 Andrezieux Boutheon France (72)Name of Inventor:
<ul><li>(61) Patent of Addition to Application</li><li>Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a method for stopping and/or preventing the spread of peat fires consisting in: hollowing out a trench along the periphery of the designated or potential fire zone and at least partially filling the trench with a superabsorbent (co)polymer (SAP).

No. of Pages: 18 No. of Claims: 15

(22) Date of filing of Application :20/06/2013

(43) Publication Date: 12/06/2015

# (54) Title of the invention : PROCESS FOR OBTAINING A SCENTED EXTRACT OF FRESH FLOWERS AND/OR LEAVES USING NATURAL SOLVENTS

<ul> <li>(51) International classification</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>	:22/12/2011	(71)Name of Applicant:  1)CHARABOT  Address of Applicant:10 avenue Yves Emmanuel Baudoin F 06131 Grasse France (72)Name of Inventor:  1)LAVOINE HANNEGUELLE Sophie
<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 2012/085366 :NA :NA :NA :NA	

#### (57) Abstract:

The invention relates to a process for obtaining a scented extract from fresh flowers heads in bloom and/or leaves of a moist plant comprising the following steps according to which a) the flowers heads in bloom and/or leaves of the plant are picked; b) said freshly picked flowers heads in bloom and/or leaves are infused in at least one bath comprising an alcoholic solvent at a temperature below 50°C in such a way as to obtain an alcoholic mixture; c) said alcoholic mixture is filtered in such a way as to recover an alcoholic floral infusion; and d) the alcoholic floral infusion is extracted with supercritical CO in order to obtain said scented extract this scented extract having an alcohol titre of at least 75%. The invention also relates to an extract prepared by means of the process according to the invention and to the use thereof as a fragrance fragranced diluting alcohol perfumery ingredient or food flavouring or else in the composition of a cosmetic product.

No. of Pages: 27 No. of Claims: 13

(22) Date of filing of Application :24/07/2013 (43) Publication Date: 12/06/2015

## (54) Title of the invention: BI AND MONOSPECIFIC ASYMMETRIC ANTIBODIES AND METHODS OF GENERATING THE **SAME**

(51) International  $:\!C07K16/28,\!C07K16/32,\!C07K16/00$ 

classification :61/453591 (31) Priority Document No

(32) Priority Date :17/03/2011 (33) Name of priority country:U.S.A.

(86) International :PCT/IL2012/050093

Application No :15/03/2012 Filing Date

(87) International Publication :WO 2012/123949

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)RAMOT AT TEL AVIV UNIVERSITY LTD.

Address of Applicant : P.O. Box 39296 61392 Tel Aviv Israel

(72)Name of Inventor: 1)BENHAR Itai

2)VAKS Lilach

# (57) Abstract:

An antibody is provided. The antibody comprises an Fc region and a Fab region wherein: (i) the Fc region comprises two non identical heavy chains wherein at least one of the two non identical heavy chains comprises an amino acid modification so as to form complementation between the two non identical heavy chains thereby increasing the probability of forming heterodimers of the non identical heavy chains and decreasing the probability of forming homodimers of identical heavy chains; and (ii) the Fab region comprises a first covalent link between a first heavy chain and a first light chain of the Fab region and a second covalent link between a second heavy chain and a second light chain of said Fab region wherein a position of the first covalent link relative to the first heavy chain is different to a position of the second covalent link relative to the second heavy chain. Methods of generating same and uses thereof are also provided.

No. of Pages: 158 No. of Claims: 28

(22) Date of filing of Application :25/03/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: A 2-WHEELER BATTERY CHARGER 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>	:H02J7/00, H02J7/06 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Bhavsar Swapnil Chandrakant Address of Applicant: M-64/768, Chitrakut Apartment Sola Road, Naranpura Ahmedabad-380063 Gujarat, India.  2)Jain Anjil Anvin  3)Shah Parin Kamalkumar  4)Dr. Vasani Rupesh Parmanand (72)Name of Inventor:  1)Dr. Vasani Rupesh Parmanand  2)Shah Parin Kamalkumar  3)Jain Anjil Anvin  4)Bhavsar Swapnil Chandrakant  5)Patel Bhupendra Laljibhai
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#### (57) Abstract:

The present invention is a two wheeler through which a power is generated the front tyre are attached with the generator which gives mechanical energy and generator converts mechanical energy to electrical energy and the electrical energy store into battery and the battery is attached to controller, and the controller gives electrical energy to the battery and that battery can be used as a source of power.

No. of Pages: 10 No. of Claims: 3

(22) Date of filing of Application :25/03/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: A SMART DETECTOR FOR SPEED BUMP AND ROAD UNCERTAINTY

(51) International classification  (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Siling Date (10) Patent of Addition Number Filing Date (11) Patent of Addition to Application Number Filing Date (12) Priority Document No SinA SinA SinA SinA SinA SinA SinA SinA	1 I)Khaygar Swannii ( handrakant
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## (57) Abstract:

The present invention a vehicle passing is through a speed breaker the speed breaker is detected and circuit converts the uncertainty of the road to warning alarm and the driver is notified on the dashboard and the accident can be minimized with this invention.

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

(21) Application No.120/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :20/01/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: METHOD OF SMOOTHING THE WORKLOAD OF A SERVER

(51) International :G06F9/445,G06F9/50,H04N21/458 classification

(31) Priority Document No :1157101

(32) Priority Date :02/08/2011 (33) Name of priority country: France

(86) International Application :PCT/EP2012/064099

:18/07/2012 Filing Date

(87) International Publication: WO 2013/017411

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)BOIVIN Mathieu

1)VIACCESS

Address of Applicant :Les Collines de l'Arche Tour Opra C F

92057 Paris La Dfense France (72)Name of Inventor:

(57) Abstract:

This method of smoothing the workload of a transaction server executing processes in response to requests transmitted by terminals this method comprising: for each terminal the logging (100) of the instants of toggling between an active state and an inactive state the construction (100) for each terminal on the basis of the toggling instants logged of an individual usage profile associating with each possible future date a state probability corresponding to the probability that this terminal will be in the active state on this date the selection of a rendezvous date associated in a workload plan of the server with a provisional workload which is less than a predetermined first threshold at the same time associated in the individual usage profile with a state probability corresponding to a probability that this terminal will be in the active state greater than a second predetermined threshold.

No. of Pages: 27 No. of Claims: 13

(21) Application No.1283/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :28/06/2013

(43) Publication Date: 12/06/2015

## (54) Title of the invention: METHOD FOR MANUFACTURING A MULTI LAYER ORIENTED POLYOLEFIN FILM AND MULTI LAYER ORIENTED POLYOLEFIN FILM MANUFACTURED THEREBY

(51) International

:B29C55/10,B29C47/06,B32B27/08

classification (31) Priority Document No

:10-2011-0001452

(32) Priority Date

:06/01/2011

(33) Name of priority country: Republic of Korea

No

(86) International Application :PCT/KR2012/000140

Filing Date

:06/01/2012

(87) International Publication :WO 2012/093881

(61) Patent of Addition to

**Application Number** 

:NA :NA

Filing Date (62) Divisional to Application :NA

Number

Filing Date

:NA

## (57) Abstract:

This disclosure is directed to a method for manufacturing a multi layer oriented polyolefin film and a multi layer oriented polyolefin film obtained thereby. In the method a machine direction orientation after an extrusion is followed by an additional extrusion wherein the additional extrusion allows lamination of a resin layer so that even a low melting point resin may be laminated via the continuous extrusion. Accordingly the method allows a simple process thereby reducing time and cost.

No. of Pages: 24 No. of Claims: 9

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2)KUM Jong Ha

3)PARK Sung Woo

(21) Application No.1546/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/08/2013 (43) Publication Date: 12/06/2015

## (54) Title of the invention: COMMAND AND CONTROL APPARATUS TO CONTROL AND COMMAND OPERATING UNITS OF A PACKING MACHINE AND CORRESPONDING METHOD

:B65B19/22,B65B57/12 (71)Name of Applicant : (51) International classification (31) Priority Document No :MI2011A000092 (32) Priority Date :26/01/2011 (33) Name of priority country :Italy

(86) International Application No :PCT/IB2012/000085 Filing Date :23/01/2012

(87) International Publication No :WO 2012/101493

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

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Ozzano dellEmilia (Bologna) Italy

(72) Name of Inventor: 1)DRAGHETTI Fiorenzo

#### (57) Abstract:

Apparatus to control operating units of a packing machine (1) suitable to complete organized groups of smoking articles with the required accessories comprising a central wrapping wheel (13) to complete at least one organized group of smoking articles with a collar (6) and at least a second external wrapping sheet (8) the wrapping wheel (13) comprising peripheral reception drawers (14) and at least one or more of the following operating units (22 25 26 27 34 37): movement means (9) positioning means (25) transfer means (22) transfer means (27) of the wheel type or linear wheel type final packaging and wrapping means (34). Said command and control apparatus comprises step wise servomotors (71) each provided with a position transducer and governed by a central command and control unit (100) of the programmable type and comprising programmable data and times base means (101) which contain information relating at least to one or more work cycles to be carried out said wrapping wheel (13) being associated for the purposes of the control and command in a bidirectional and independent manner with the step wise servomotor (71) of each operating unit (22 25 26 27 34 37) governed by the central unit (100) the central unit (100) being configured to determine for each pair (A B; A B I; A B2; A B3; A B4) of step wise servomotors (71) associated with the wrapping wheel (13) and the operating units (22 25 26 27 34 37) a univocal and bidirectional dialog said univocal and bidirectional dialog being assisted by the central unit (100) and involving the position transducer of both step wise servomotors (71) involved said univocal and bidirectional dialog serving through the central unit (100) every other pair (A B; A B 1; A B 2; A B 3; A B 4) generated between the wrapping wheel (13) and the operating units (22 25 26 27 34 37).

No. of Pages: 36 No. of Claims: 10

(22) Date of filing of Application :24/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : ENHANCED TRANSPORT FORMAT COMBINATION IDENTIFIER SELECTION TO IMPROVE TD SCDMA HSUPA THROUGHPUT

<ul> <li>(51) International classification</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>	:H04L1/00 :61/560579 :16/11/2011 :U.S.A. :PCT/US2012/065698 :16/11/2012 :WO 2013/075041 :NA :NA	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: Attn: International IP Administration  5775 Morehouse Drive San Diego California 92121 U.S.A.  (72)Name of Inventor:  1)DANG Zhibin  2)TSAI Shiau He  3)CHIN Tom  4)GUO Jiming
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#### (57) Abstract:

In time division synchronous code division multiple access high speed uplink packet access (TD SCDMA HSUPA) communications a user equipment may select a enhanced physical uplink channel (E PUCH) modulation scheme based on allocated radio resources. Selection of the modulation scheme is configured to avoid ambiguity at the base station as to which modulation type is selected. Ambiguity may arise in certain communication conditions. Those conditions may be determined and avoided to avoid the ambiguity at the base station.

No. of Pages: 61 No. of Claims: 89

(21) Application No.16/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/01/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: INTERNAL BIT DEPTH INCREASE IN VIDEO CODING

<ul> <li>(51) International classification</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>	:H04N7/26,H04N7/50 :61/495333 :09/06/2011 :U.S.A. :PCT/US2012/041575 :08/06/2012 :WO 2012/170833 :NA :NA	(71)Name of Applicant:  1)QUALCOMM Incorporated    Address of Applicant:5775 Morehouse Drive ATTN: International IP Administration San Diego California 92121 1714 U.S.A. (72)Name of Inventor:  1)CHEN Ying 2)CHEN Peisong 3)KARCZEWICZ Marta
- 10		3)KARCZEWICZ Marta
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

In an example aspects of this disclosure generally relate to a method of coding video data that includes determining a first bit depth for outputting video data and a second bit depth for coding the video data wherein the first bit depth is less than the second bit depth. The method also includes determining whether the video data will be used as reference data when coding other video data. The method also includes storing based on the determination the video data at the first bit depth when the video data is not used as reference data and the video data at the second bit depth when the video data is used as reference data.

No. of Pages: 53 No. of Claims: 40

(22) Date of filing of Application: 10/09/2013 (43) Publication Date: 12/06/2015

## (54) Title of the invention: COMPOUNDS AND METHODS OF TREATING DIABETES

:A61K31/55,C07D471/00 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/444659

(32) Priority Date :18/02/2011 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2012/025749

Filing Date :17/02/2012 (87) International Publication No :WO 2012/154261

(61) Patent of Addition to Application :NA :NA Filing Date

(62) Divisional to Application Number :NA Filing Date :NA

1)MEDIVATION TECHNOLOGIES INC.

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(72) Name of Inventor:

1)PROTTER Andrew Asher 2)CHAKRAVARTY Sarvajit 3) JAIN Rajendra Parasmal 4) GREEN Michael John

#### (57) Abstract:

Hydrogenated pyrido[4 3 b]indoles pyrido [3 4 b]indoles and azepino[4 5 b]indoles are described. The compounds may bind to and are antagonists of the adrenergic receptor a. The compounds may also bind to and are an antagonist of the adrenergic receptor a; or the compounds are not antagonists of the adrenergic receptor a and the compounds are administered in conjunction with a second agent that reduces or is expected to reduce blood pressure in an individual. The compounds may find use in therapy . to regulate blood glucose level increase insulin secretion and treat diseases or conditions that are or are expected to be responsive to an increase in insulin production. Use of the compounds to treat type 2 diabetes is particularly described.

No. of Pages: 547 No. of Claims: 115

(22) Date of filing of Application :24/09/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: STACKING SYSTEM FOR ASSYMMETRIC OBJECTS

(61) Patent of Addition to Application Number Siling Date (62) Divisional to Application Number NA  :NA :NA :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 Filing Date</li> <li>(87) International Publication No</li> </ul>		(71)Name of Applicant:  1)SENTINEL ENGINEERING (M) SDN. BHD.  Address of Applicant: C G 9 Jalan Dataran SD 1 Dataran SD PJU 9 Bandar Sri Damansara Kuala Lumpur 52200 Malaysia.  (72)Name of Inventor:  1)K. H. Kuan  2)HOW Joon Shiou
Filing Date	(61) Patent of Addition to Application	:NA	2)HOW Joon Shiou
Filing Date :NA	(62) Divisional to Application Number	:NA	

### (57) Abstract:

A system for stacking or arranging any asymmetric subject of manufacture having a distinguishable front end and a rear end such as a glove. More particularly a stacking or arranging system and methods enabling bidirectional stacking or arranging one over the other for packing or like purposes of such asymmetric subject of manufacture having a distinguishable front end and a rear end such as a glove. The system for such bidirectional stacking or arranging basically involving a feeder conveyor unit having a pair of feeder conveyer (2 3) disposed below a manufacture process conveyer (1) which can be used for stacking different asymmetric packing elements/subjects such as gloves having distinguishing front and rear end over collecting member/shelf (10 12) in bidirectional manner. Optionally and advantageously the proposed stacking apparatus includes a sensor driven oscillating means operatively connected with the feeder conveyer pair for driving the feeder conveyer in pendulum type motion and to facilitate the bidirectional stacking of the packing element over a collecting member/shelf. The advancement is thus directed to provide for an automatized system for bidirectional stacking of asymmetric packing elements/subjects such as gloves to ensure optimized arrangement of the stocks for packing and the like and an even distribution of the weight of the stacked subjects such as when packed in a carton and the like.

No. of Pages: 27 No. of Claims: 15

(21) Application No.1341/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/07/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: IONIC SILICONES AND COMPOSITIONS CONTAING THE SAME

(51) International :C09D183/06,C09D183/08,C09D183/12 classification

:13/343,188

(31) Priority Document

(32) Priority Date :04/01/2012 (33) Name of priority

country

:U.S.A. (86) International

:PCT/US2012/069685 Application No

:14/12/2012 Filing Date

(87) International :WO 2013/103496 Publication No

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

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(72)Name of Inventor: 1)SAXENA Anubhav 2)SARKAR Alok

3)TIWARI Sandip

## (57) Abstract:

There is provided herein a functionalized ionic silicone composition comprising a silicone of the formula (I): M M MD D D T T T O (I) which contains a monovalent radical bearing ion pairs and having the formula (II): A lM; where A is a spacing group having at least 2 spacing atoms selected from a divalent hydrocarbon or hydrocarbonoxy group where I is an ionic group such as sulfonate S0 carboxylate COO phosphonate PO group and phosphate OPO where M is hydrogen or a cation independently selected from alkali metals alkali earth metals transition metals metals quaternary ammonium and phosphonium groups; or zwitterions having the formula (III): R NR R I (III) where I is defined as above and where the subscript a b c d e f g h i j are zero or positive subject to the following limitations: 2 = a+b+c+d+e+f+g+h+i+j = 6000 b+e+h>0 and c+f+i>0.

No. of Pages: 57 No. of Claims: 36

(21) Application No.1427/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :15/07/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: LIQUID TEA COMPOSITION

(51) International classification	:A23F3/14,A23F3/16,A23F3/18	(71)Name of Applicant:
(31) Priority Document No	:12152821.0	1)UNILEVER PLC
(32) Priority Date	:27/01/2012	Address of Applicant :Unilever House 100 Victoria
(33) Name of priority country	:EPO	Embankment London Greater London EC4Y 0DY U.K.
(86) International Application No	:PCT/EP2013/050906	(72)Name of Inventor:
Filing Date	:18/01/2013	1)SMITH Alistair David
(87) International Publication No	:WO 2013/110550	2)WIX Loyd
(61) Patent of Addition to	:NA	3)ZHANG Shi Qiu
Application Number	:NA	
Filing Date	.NA	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	.NA	

#### (57) Abstract:

A liquid composition comprising expressed tea juice and from 5 to 30wt % of exogenous biopolymer is provided. A beverage obtainable by diluting the liquid composition and a process for manufacturing the liquid composition are also provided.

No. of Pages: 18 No. of Claims: 15

(22) Date of filing of Application :11/09/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: MOVING CELLULAR COMMUNICATION SYSTEM OPERATIVE IN AN EMERGENCY MODE

<ul> <li>(51) International classification</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>	:H04W36/08 :61/451344 :10/03/2011 :U.S.A. :PCT/IL2012/050082 :08/03/2012 :WO 2012/120519 :NA :NA :NA	(71)Name of Applicant:  1)ELTA SYSTEMS LTD  Address of Applicant: 100 Yitzchak Hanassi Blvd. P.O.B. 330  77102 Ashdod Israel (72)Name of Inventor:  1)SCHWARTZ Adi 2)SHOSHAN Yaakov 3)SHERMAN Itay 4)WEINSBERG Udi
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#### (57) Abstract:

A communication system comprising moving relay/s including base and mobile station functionality and a radio manager all co located emergency moving relay/s further including a simulated stationary network that includes a simulated IP connectivity gateway communicating with a simulated mobility management entity and simulating the operation of a stationary network; the emergency moving relay being a root of a subtree including moving relay/s and mobile station/s and utilizing its mobile station functionality base station functionality and radio manager for normal and emergency operation including communicating to a designated mobile station in the subtree each message received from a moving relay or mobile station in the subtree the message having an IP address of the designated mobile station; or communicating to the simulated stationary network each message received from a moving relay/mobile station in the subtree and having an IP address not matching any mobile station in the subtree.

No. of Pages: 88 No. of Claims: 88

(21) Application No.19/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/01/2014 (43) Publication Date: 12/06/2015

#### (54) Title of the invention: LITHIUM ACCUMULATOR

(51) International classification :H01M2/16,H01M4/62,H01M4/74 (71)Name of Applicant :

(31) Priority Document No :PV 2011-405 (32) Priority Date :01/07/2011

(33) Name of priority country :Czech Republic

(86) International Application :PCT/IB2012/053231 No

:26/06/2012 Filing Date

(87) International Publication :WO 2013/005135

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)HE3DA s.r.o.

Address of Applicant: Tusarova 1281/45 17000 Prague

CZECH REPUBLIC. Czech Republic

(72) Name of Inventor: 1)PROCHASKA (JR.) Jan

2)POLIVKA Jaroslav 3)POSTLER Jiri

## (57) Abstract:

A lithium accumulator with a housing comprising at least one cell with two electrodes (2a 2b) provided with current collectors (3a 3b) and separated by a separator (4) wherein each electrode (2a 2b) free of organic binders is pressed down onto both sides of the current collector (3a 3b) made of a perforated metal strip in the form of metal network expanded meal or perforated metallic foil. The minimum thickness of the electrodes (2a 2b) is three times the thickness of the perforated metal strip (3a 3b).

No. of Pages: 19 No. of Claims: 10

(21) Application No.1570/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/08/2013 (43) Publication Date: 12/06/2015

## (54) Title of the invention: EXHAUST AFTERTREATMENT DEVICE WITH INTEGRATED SHELL AND BAFFLE

<ul> <li>(51) International classification</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>	:F01N3/28,F01N13/08 :13/040623 :04/03/2011 :U.S.A. :PCT/US2012/026718 :27/02/2012 :WO 2012/121914 :NA :NA :NA	(71)Name of Applicant:  1)TENNECO AUTOMOTIVE OPERATING COMPANY INC.  Address of Applicant: 500 North Field Drive Lake Forest Illinois 60045 U.S.A. (72)Name of Inventor:  1)WIKARYASZ Megan 2)OTROMPKE Douglas
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## (57) Abstract:

An exhaust treatment device includes an inner shell an outer shell and insulation material positioned between the inner shell and the outer shell. An inlet tube has an end in communication with a cavity defined by the inner shell. A substrate for treating engine exhaust is positioned within the inner shell. A baffle plate includes a plurality of apertures positioned such that the exhaust passes through the apertures prior to entering the substrate. The baffle plate supports an end of the inner shell and the inlet tube.

No. of Pages: 17 No. of Claims: 19

(21) Application No.1571/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/08/2013 (43) Publication Date: 12/06/2015

## (54) Title of the invention: POKA YOKE MOUNTING SYSTEM FOR AN EXHAUST TREATMENT DEVICE

(51) International classification: F01N3/00,F01N3/035,F01N13/10 (71) Name of Applicant: :13/039559 (31) Priority Document No

(32) Priority Date :03/03/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/026726

No :27/02/2012 Filing Date

(87) International Publication :WO 2012/118734

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)TENNECO AUTOMOTIVE OPERATING COMPANY

INC.

Address of Applicant :500 North Field Drive Lake Forest IL

60045 U.S.A.

(72)Name of Inventor: 1)GOLIN Michael 2)THOMPSON Rick

(57) Abstract:

An exhaust treatment system includes an emissions treatment device for treating exhaust emitted from an internal combustion engine. The exhaust treatment system includes a frame adapted to support first and second spaced apart portions of the exhaust treatment system. The emissions treatment device interconnects the first and second portions and is in receipt of exhaust from the first portion and provides treated exhaust to the second portion. A first bracket is fixed to the frame and includes one of a protrusion and a receptacle. A second bracket is adapted to be fixed to the emissions treatment device and includes the other of the protrusion and the receptacle. The protrusion is positioned within the receptacle when the emissions treatment device is properly positioned. The protrusion interferes with one of the second bracket and the emissions treatment device to preclude assembly when the emissions treatment device is improperly positioned.

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

(21) Application No.1572/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application:19/08/2013 (43) Publication Date: 12/06/2015

## (54) Title of the invention: TRI FLOW EXHAUST TREATMENT DEVICE WITH REDUCTANT MIXING TUBE

(51) International classification :F01N3/24,F01N3/28,F01N13/08 (71) Name of Applicant:

(31) Priority Document No :13/043889 (32) Priority Date :09/03/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/026721

No :27/02/2012 Filing Date

(87) International Publication No:WO 2012/121916

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

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Address of Applicant :500 North Field Drive Lake Forest

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2)THOMPSON Rick 3)OTROMPKE Douglas 4)ROBLES Pavel

## (57) Abstract:

An exhaust treatment device includes first and second substrates positioned in parallel within a housing. A baffle plate supports the substrates an inlet tube and an outlet pipe and defines a portion of a first chamber. First ends of the substrates and a second end of the inlet tube is in fluid communication with the first chamber. A partition supports the substrates the inlet tube and the outlet pipe and defines a portion of a second chamber separate from first chamber. Second ends of the substrates and a second open end of the outlet pipe is in fluid communication with the second chamber. All of the exhaust flows in a first direction through the inlet tube reverses direction through the substrates and reverses direction again to flow through the outlet pipe.

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

(22) Date of filing of Application :23/10/2013

(43) Publication Date: 12/06/2015

#### (54) Title of the invention: HIGH EFFICIENCY COOLING SYSTEM

(51) International classification :H05K 7/20 (31) Priority Document No :61/476783 (32) Priority Date :19/04/2011 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2012/033740 Filing Date :16/04/2012

(87) International Publication No :WO 2012/145263

(61) Patent of Addition to Application :NA Number :NA Filing Date

(62) Divisional to Application Number :07/10/2013

Filed on

:1882/MUMNP/2013

(71)Name of Applicant:

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Address of Applicant: 1050 Dearborn Drive Columbus Ohio

43085 U.S.A.

(72) Name of Inventor:

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4)NOLL Roger

5)HELMINK Gary A.

6)BARBATO Pierpaolo

7)MANA Giuseppe Dalla

8)MONNIER Lou

9)LIN Zhiyong

10)DOLCICH Benedict J.

11) SCHUTTE Daniel J.

12)HAGGY Greg

13)HARVEY Thomas

14)LU Zongtao

#### (57) Abstract:

A cooling system has a cabinet and a plurality of separate cooling stages including an upstream cooling stage and a downstream cooling stage. At least the upstream cooling state is a variable capacity cooling stage. Each cooling stage has a cooling circuit. Evaporators of the cooling circuits are arranged in the cabinet so that air passes over them in serial fashion. A controller when a Call for Cooling first reaches a point where cooling is needed, operating the upstream cooling circuit to provide cooling and not the downstream cooling circuit. When the Call for Cooling has increased to a second point, the controller additionally operates the downstream cooling circuit to provide cooling. The cooling capacity at which the upstream cooling circuit is being operated is less than its full capacity when the Call for Cooling reaches the second point.

No. of Pages: 75 No. of Claims: 7

(22) Date of filing of Application :23/07/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR CONSUMER BASED STORING RETRIEVING AND TRANSMITTING OF PROMOTIONAL CONTENT TO OTHER CONSUMERS

<ul> <li>(51) International classification</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> </ul>	:28/01/2013 :WO 2013/112987 :NA	(71)Name of Applicant: 1)AMOURIS Konstantinos Address of Applicant:19 Country Club Road Apt. #52 Eatontown NJ 07724 U.S.A. (72)Name of Inventor: 1)AMOURIS Konstantinos
	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A system and method for targeted delivery of promotional messages from a sender to a receiver are disclosed. The system includes a website providing access to a plurality of promotional messages and comprises a web based user interface enabling the sender to create a set of promotional targeting records. A promotional targeting record comprises the sender s communication identifier a targeted destination s communication identifier and a selected promotional message. The created promotional targeting records are stored in a database. After a communication transmission from the sender to the receiver system application software is used to: obtain the communication identifiers of the sender and the receiver; search the database to identify a promotional targeting record with matching sender and receiver communication identifiers; and after identifying such a promotional targeting record retrieve from the database and deliver to the receiver the promotional message associated with the identified promotional targeting record.

No. of Pages: 31 No. of Claims: 24

(21) Application No.1582/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/08/2013

(43) Publication Date: 12/06/2015

# (54) Title of the invention : ANTIOXIDANT ANTI INFLAMMATORY ANTI RADIATION METAL CHELATING COMPOUNDS AND USES THEREOF

(51) International :C07K5/10,A61K38/07,A61P17/00

classification .CO/RS/10,A01R

(31) Priority Document No :61/434454 (32) Priority Date :20/01/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/IL2012/000032

No :10/101/2012 Filing Date :19/01/2012

(87) International Publication .

(87) International Publication :WO 2012/098546

(61) Patent of Addition to Application Number :NA Filing Date :NA

(62) Divisional to Application Number :NA

0 .WO 20

Filing Date (57) Abstract :

(71)Name of Applicant:

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Address of Applicant : C/O Naschitz Brandes & Co. Adv. 5

Tuval Street 67897 Tel Aviv Israel

2)YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM LTD.

(72)Name of Inventor: 1)MOGRABI Josef

2)ATLAS Daphne

3)KEYNAN Shoshana

The present invention relates to potent compounds having combined antioxidant anti inflammatory anti radiation and metal chelating properties. Specifically the present invention relates to short peptides having said properties and to methods and uses of such short peptides in clinical and cosmetic applications.

No. of Pages: 64 No. of Claims: 43

(19) INDIA

(22) Date of filing of Application :23/09/2013

(21) Application No.1785/MUMNP/2013 A

(43) Publication Date: 12/06/2015

## (54) Title of the invention: COMPRESSOR

(51) International classification	:F04C29/02,F04C18/02	(71)Name of Applicant :
(31) Priority Document No	:201110089527.2	1)EMERSON CLIMATE TECHNOLOGIES INC.
(32) Priority Date	:31/03/2011	Address of Applicant :1675 W. Campbell Road Sidney OH
(33) Name of priority country	:China	45365 0669 U.S. U.S.A.
(86) International Application No	:PCT/US2012/031621	(72)Name of Inventor:
Filing Date	:30/03/2012	1)WU Jibao
(87) International Publication No	:WO 2012/135727	2)SUN Qingfeng
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A compressor may include a crankshaft a lower bearing an oil sump an oil pump and a pressure equilibrium tube. The crankshaft may include an oil supply passage formed therethrough. The lower bearing may rotatably support a lower part of the crankshaft. The oil sump may be disposed proximate the lower part of the crankshaft. The oil pump may include an inlet an outlet an intake chamber and a discharging chamber. The inlet may be positioned below a level of oil in the oil sump and in fluid communication with the intake chamber. The discharging chamber may be in fluid communication with the oil supply passage at the lower part of the crankshaft through the outlet. The pressure equilibrium tube provides fluid communication between a space above the level of oil in the oil sump and the intake chamber.

No. of Pages: 27 No. of Claims: 20

(21) Application No.1985/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/10/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: DENTAL CLEANING DEVICE

(51) International classification	:A46B9/04,A46B13/02,A46B7/00	(71)Name of Applicant:
(31) Priority Document No	:13/091063	1)GRUBER LLC
(32) Priority Date	:20/04/2011	Address of Applicant :54 Old Pond Road Great Neck US
(33) Name of priority country	:U.S.A.	11023 U.S.A.
(86) International Application No Filing Date	:PCT/US2012/032943 :10/04/2012	(72)Name of Inventor: 1)GRUBER Jack 2)KOZLOSKI Edward
(87) International Publication No	:WO 2012/145199	
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A tooth cleaning device comprising a handle and a pad coupled to the handle wherein the pad has a front face a back face and a plurality of side walls. There are a plurality of different areas disposed on the front face of the pad comprising a first area comprising a first set of protrusions in a substantially semi spherical shape and a second area comprising a second set of protrusions in a substantially conical shape. There is also a third area of protrusions formed as a substantially conical shape and a fourth area of protrusions formed as a substantially semi spherical shape. The device can be formed as a pad which collapses voluntarily under pressure. The pad can be made from any suitable material such as any type of rubber or plastic.

No. of Pages: 34 No. of Claims: 23

(12) I ATENI ATTECATION I OBLICATION

(22) Date of filing of Application :01/06/2013 (43) Publication Date : 12/06/2015

(54) Title of the invention: BELT MOUNTING JIG

(51) International classification (71)Name of Applicant: :F16H7/24 1)GATES UNITTA ASIA COMPANY (31) Priority Document No :2012-157393 (32) Priority Date Address of Applicant: 4 4 26SakuragawaNaniwa kuOsaka shi :13/07/2012 (33) Name of priority country :Japan Osaka 5560022 Japan :PCT/JP2013/065160 (72)Name of Inventor : (86) International Application No Filing Date :31/05/2013 1)SHIMAOKADaisuke (87) International Publication No :WO 2014/010330 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

(21) Application No.1030/MUMNP/2013 A

### (57) Abstract:

(19) INDIA

The present invention provides a belt attachment jig whereby torsion can be prevented during attachment of a belt. Specifically a belt attachment jig (1) is provided with a fixing means (6) for fixing to a pulley (2). A retaining surface (8) is provided for receiving a portion of a belt (4) and retaining the belt (4) further to the outside in the axial direction of the pulley than a pulley flange (7). A torsion preventing part (10) is provided for preventing torsion of the belt (4). The torsion preventing part (10) is provided further forward in the rotation direction of the pulley (2) than the retaining surface (8) and further to the outside in the axial direction of the pulley than the pulley (2). The torsion preventing part (10) prevents torsion at the location where the belt (4) is passed between pulleys (2 3) through the outside in the axial direction of the pulley (2).

No. of Pages: 30 No. of Claims: 5

(22) Date of filing of Application :21/01/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : SUPPORTING DOWNLINK DL TRIGGERED CQI FEEDBACK ON THE HS DPCCH CHANNEL IN A CELL IN CELL_FACH STATE

<ul> <li>(51) International classification</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>	:14/08/2012 :WO 2013/025694 :NA :NA :NA	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: Attn: International IP Administration  5775 Morehouse Drive San Diego California 92121 U.S.A.  (72)Name of Inventor:  1)MOHAN Siddharth  2)SAMBHWANI Sharad Deepak  3)AGARWAL Ravi  4)KAPOOR Rohit  5)BHARADWAJ Arjun
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Initiating and operating a high speed dedicated physical control channel HS DPCCH to report a current channel quality indicator CQI. A user equipment UE may receive a high speed sharedcontrol channel HS SCCH order from a Node B triggering a feedback response (i.e. a feedback regarding CQI and/or ACK/NACK on the HS DPCCH channel). The UE may perform a physical random access channel (PRACH) procedure in response to receiving the order and may also initiate a collision resolution procedure. The user equipment may transmit a current channel quality indicator (CQI) of the user equipment on a high speed dedicated physical control channel (HS DPCCH) prior (before beforehand) to achieving collision resolution (i.e. a result from the collision resolution procedure).

No. of Pages: 35 No. of Claims: 24

(22) Date of filing of Application :07/08/2013 (43) Publication Date: 12/06/2015

## (54) Title of the invention: DIAMINOPYRIMIDINE DERIVATIVES AND PROCESSES FOR THE PREPARATION THEREOF

(51) International :C07D403/04,C07D401/04,A61K31/506 classification

:10-2011-0016981

:Republic of Korea

:WO 2012/115478

:PCT/KR2012/001423

:25/02/2011

:24/02/2012

:NA

:NA

(31) Priority Document

(32) Priority Date

(33) Name of priority

country

(86) International

Application No Filing Date

(87) International Publication No

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date (62) Divisional to

Application Number

Filing Date

(71)Name of Applicant:

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(72)Name of Inventor:

1)LEE Hyun Joo

2)KIM Dong Hoon 3)KIM Tae Kyun

4)YOON Young Ae

5)SIM Jae Young

6)CHA Myung Hun 7)JUNG Eun Jung

8)AHN Kyoung Kyu

9)LEE Tai Au

#### (57) Abstract:

The present invention provides a diaminopyrimidine derivative or its pharmaceutically acceptable salt a process for the preparation thereof a pharmaceutical composition comprising the same and a use thereof. The diaminopyrimidine derivative or its pharmaceutically acceptable salt functions as a 5 HT receptor agonist and therefore can be usefully applied for preventing or treating dysfunction in gastrointestinal motility one of the gastrointestinal diseases such as gastroesophageal reflux disease (GERD) constipation irritable bowel syndrome (IBS) dyspepsia post operative ileus delayed gastric emptying gastroparesis intestinal pseudo obstruction drug induced delayed transit or diabetic gastric atony.

No. of Pages: 161 No. of Claims: 15

(22) Date of filing of Application :28/10/2013

(43) Publication Date: 12/06/2015

11)ZHENG Xiaozhang

# (54) Title of the invention : PIPERIDINE DERIVATIVES AND COMPOSITIONS FOR THE INHIBITION OF NICOTINAMIDE PHOSPHORIBOSYLTRANSFERASE (NAMPT)

(51) International (71)Name of Applicant: :C07D215/48,C07D471/04,C07D513/04 1)FORMA TM LLC classification (31) Priority Document Address of Applicant :500 Arsenal St Suite 100 Watertown :61/483937 MA 02472 U.S.A. :09/05/2011 (72) Name of Inventor: (32) Priority Date (33) Name of priority 1)BAIR Kenneth W. :U.S.A. country 2)BAUMEISTER Timm (86) International 3)BUCKMELTER Alexandre J. :PCT/US2011/050303 Application No 4)CLODFELTER Karl H. :02/09/2011 Filing Date 5)HAN Bingsong (87) International 6)KUNTZ Judith D. :WO 2012/154194 **Publication No** 7)LIN Jian (61) Patent of Addition to :NA 8) REYNOLDS Dominic J. **Application Number** 9)SMITH Chase C. :NA Filing Date 10)WANG Zhongguo

(57) Abstract:

(62) Divisional to

**Application Number** 

Filing Date

The present invention relates to compounds and compositions for the inhibition of NAMPT their synthesis applications and antidotes. An illustrative compound of the invention is shown below: Formula (I)

No. of Pages: 210 No. of Claims: 28

:NA

:NA

(22) Date of filing of Application :21/06/2013 (43) Publication Date: 12/06/2015

## (54) Title of the invention: METHOD FOR THE MOLECULAR DESIGN AND SYNTHESIS OF THERAPEUTIC AND PREVENTIVE DRUGS

(51) International classification: C07K1/06,C07H21/00,G06F19/18 (71) Name of Applicant:

(31) Priority Document No (32) Priority Date :NA

(33) Name of priority country :NA

(86) International Application :PCT/RU2010/000694

:22/11/2010 Filing Date

(87) International Publication :WO 2012/070968

(61) Patent of Addition to **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number :NA Filing Date

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2)FARBER Sofva Borisovna

3)MARTYNOV Artur Viktorovich

(72)Name of Inventor:

1)FARBER Boris Slavinovich 2)FARBER Sofya Borisovna

3)MARTYNOV Artur Viktorovich

#### (57) Abstract:

The invention can be used in medicine and veterinary science for designing (creating and synthesizing) therapeutic and preventive drugs which are effective in the treatment of cancerous and viral diseases in humans and animals as well as for designing new drugs. The novel method for designing and synthesizing therapeutic and preventive drugs is characterized in that a target biopolymer (protein DNA RNA or a combination thereof) is identified and subsequently used as a ligand having been cleaved into oligomer fragments (by nucleases synthetic nucleases and proteases) which are modified by replacing the charge thereof with an opposite charge (by acylation with dicarboxylic acid anhydrides or alkylation with halogen carboxylic acids); the same target biopolymer is also used as a ligand having been modified by the partial replacement of the charge of the molecule with an opposite charge to form a supramolecular ensemble of biopolymers. A supramolecular ensemble of oligomers is used wherein the oligomers are products of the hydrolysis of biopolymers and the charge of the oligomer molecules is replaced with an opposite charge or in the case of the whole biopolymers is partially altered. By using this method it is possible to significantly reduce the costs of designing and synthesizing new drugs broaden the spectrum of action of existing genetically engineered protein drugs and create new classes of dynamic therapeutic and preventive drugs that self adapt to an organism and a target.

No. of Pages: 38 No. of Claims: 36

(21) Application No.122/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/01/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : APPARATUS AND METHOD FOR THE THERMAL TREATMENT OF LUMP OR AGGLOMERATED MATERIAL

(51) International classification :F27B21/06,F27D17/00,F27D99/00

(31) Priority Document No :10 2011 110 842.8

(32) Priority Date :23/08/2011
(33) Name of priority country :Germany

(86) International Application :PCT/EP2012/065589

No :PCT/EP2012/06558

Filing Date :09/08/2012

(87) International Publication :WO 2013/026709

(61) Patent of Addition to :NA

Application Number :NA :NA

(62) Divisional to Application Number :NA Filing Date :NA (71)Name of Applicant: 1)OUTOTEC OYJ

Address of Applicant : Puolikkotie 10 FI 02230 Espoo

FINLAND.

(72)Name of Inventor: 1)K-HLER Hartmut

2)SCHMEDDERS Timotheus

#### (57) Abstract:

This invention relates to the thermal treatment of lump or agglomerated material in a firing machine (1) with a travelling grate (2) on which the material is conveyed through the firing machine (1) a firing chamber (4) for generating the temperatures required for the thermal treatment a cooling zone (5) in which cooling gases are passed through the thermally treated material and a recuperation tube (7) through which the heated cooling gases are recirculated to the firing chamber (4). In the ceiling (8) of the firing chamber (4) a plurality of openings (9) is provided through which the heated cooling gases from the recuperation tube (7) can enter into the firing chamber (4).

No. of Pages: 15 No. of Claims: 10

(22) Date of filing of Application :05/11/2013

(43) Publication Date: 12/06/2015

# (54) Title of the invention : A SIMPLE TWO PLASMID MAMMALIAN EXPRESSION SYSTEM FOR PRODUCTION OF RECOMBINANT PROTEINS AND VIRUSES

<ul> <li>(51) International classification</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>	:C12N15/86 :1678/MUM/2011 :08/06/2011 :India :PCT/IN2012/000405 :08/06/2012 :WO 2013/046216	(71)Name of Applicant: 1)JOSHI Vishwas Address of Applicant: 204 2A Siddhachal PH VI Pokharan Road no.2 Thane Maharashtra 400610 India. (72)Name of Inventor: 1)JOSHI Vishwas
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Reverse engineering has offered new ways of studying the pathobiology of RNA viral infections new more efficient means of synthesizing recombinant viruses and developing vaccines and also demonstrated the versatility and efficiency of RNA dependent RNA polymerase RDRP system as an expression system. However the currently used methods require a repertoire of complex difficult to use tools. Present invention describes a simpler plasmid based mammalian expression system that uses the RDRP enzyme activity for expression of recombinant proteins or RNA from viral minigenomes and rescue of recombinant viruses from cDNAs encoding entire genome(s) of negative stranded RNA viruses. This system will be useful for expression of recombinant proteins therapeutic RNA molecules including anti sense and/or selective interefering RNA and Ribozymes. This system can also be used for gene therapy and producing recombinant viruses for production of new vaccines.

No. of Pages: 53 No. of Claims: 19

(22) Date of filing of Application :20/06/2013 (43) Publication Date : 12/06/2015

:NA

# (54) Title of the invention : METHODS AND SYSTEMS FOR DISTRIBUTING CRYPTOGRAPHIC DATA TO AUTHENTICATED RECIPIENTS

(51) International classification	:H04L9/32,G06F21/24	(71)Name of Applicant:
(31) Priority Document No	:61/432181	1)VIRTRU CORPORATION
(32) Priority Date	:12/01/2011	Address of Applicant :4989 Glenbrook Road Washington DC
(33) Name of priority country	:U.S.A.	20016 U.S.A.
(86) International Application No	:PCT/US2011/068019	(72)Name of Inventor:
Filing Date	:30/12/2011	1)ACKERLY William Rodgers
(87) International Publication No	:WO 2012/096791	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	

#### (57) Abstract:

Filing Date

A method for distributing cryptographic data to authenticated recipients includes receiving by an access control management system from a first client device information associated with an encrypted data object. The method includes receiving by the access control management system from a second client device a request for the information associated with the encrypted data object. The method includes verifying by the access control management system that a user of the second client device is identified in the received information associated with the encrypted data object. The method includes authenticating by the access control management system with an identity provider the user of the second client device. The method includes sending by the access control management system to the second client device the received information associated with the encrypted data object.

No. of Pages: 43 No. of Claims: 23

(22) Date of filing of Application :21/01/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: PANORAMIC IMAGE GENERATION METHOD AND IMAGING DEVICE

	:H04N5/225,	(71)Name of Applicant:
(51) International classification	G06T3/00,	1)FUJIFILM Corporation
	G03B37/00	Address of Applicant :26 30 Nishiazabu 2 chome Minato ku
(31) Priority Document No	:2011-161328	Tokyo 1060031 Japan
(32) Priority Date	:22/07/2011	(72)Name of Inventor:
(33) Name of priority country	:Japan	1)KATO Yasunari
(86) International Application No	:PCT/JP2012/064448	
Filing Date	:05/06/2012	
(87) International Publication No	:WO 2013/015024	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Provided is a panoramic image generation unit (19) which uses a plurality of captured image data items to generate panoramic image data having a field of view of 360° centred about the imaging location and implements the following steps: a step in which the plurality of captured image data items are combined to generate panoramic image data having a field of view of 360° or more centred about the imaging location; a step in which with regard to common subjects which are included in the start end and the finish end of the 360° or more panoramic image data the common subject that is included in either the start end or the finish end is modified so that the size and attitude of the common subjects match; and a step in which the common subjects that are included in both the start end and the finish end are superimposed to generate the 360° panoramic image data.

No. of Pages: 44 No. of Claims: 10

(21) Application No.1542/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 12/08/2013 (43) Publication Date: 12/06/2015

## (54) Title of the invention: HIGH DENSITY METAL INSULATOR METAL TRENCH CAPACITOR WITH CONCAVE **SURFACES**

(51) International :H01L21/02,H01L29/94,H01G4/012

classification (31) Priority Document No :13/021151

(32) Priority Date :04/02/2011 (33) Name of priority country: U.S.A.

(86) International Application: PCT/US2012/023999

No :06/02/2012

Filing Date

(87) International Publication :WO 2012/106720

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA

Filing Date

(71)Name of Applicant:

1)OUALCOMM INCORPORATED

Address of Applicant :Attn: International Ip Administration 5775 Morehouse Drive San Diego California 92121 U.S.A.

(72)Name of Inventor:

1)LAN Je Hsiung

2)NOWAK Matthew Michael

3)GOUSEV Evgeni P.

4)KIM Jonghae

5) CHUI Clarence

## (57) Abstract:

Higher capacitance density is achieved by increasing a surface area of a capacitor. A larger surface area may be obtained by forming isotropic ball shapes (a concave surface) in the trenches on the semiconductor die. The concave surfaces are fabricated by depositing bilayers of amorphous silicon and silicon oxide. Openings are patterned in the silicon oxide hard mask for trenches. The openings are transferred to the amorphous silicon layers through isotropic etching to form concave surfaces. Conducting insulating and conducting layers are deposited on the concave surfaces of the trenches by atomic layer deposition.

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

(21) Application No.2058/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :18/06/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: A CRICKET BOUNDARY MARKING SYSTEM WITH PROVISION FOR ADVERTISEMENT

VAN,
ashtra India

#### (57) Abstract:

A cricket boundary marking system with provision for advertisement comprising a plurality of ground area markers, said ground area marker having an elongated inner triangular core with a stable base, made of soft resilient material and an outer cover made of PVC laminated film for the said inner core and said ground area markers are linked so as to form a circular/eliptic pattern by means of continuous rope passing between the inner core and outer cover of each ground area marker which can be placed along the boundary of a cricket field. The soft resilient material is made of polyurethane foam which is manufactured from polyurethane granules. The soft resilient material such as foam rubber, thermocol, coir cotton, vinyl, viscose or polyester/ acrylic. The outer cover can be removed and reused.

No. of Pages: 12 No. of Claims: 10

(21) Application No.1547/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/08/2013 (43) Publication Date: 12/06/2015

## (54) Title of the invention: MOLECULAR TARGETS FOR HEALING OR TREATING WOUNDS

(51) International :C12N15/113,A61P17/02,A61K31/29 classification

(31) Priority Document No :1103898.1 (32) Priority Date :08/03/2011

(33) Name of priority :U.K.

country

(86) International :PCT/GB2012/050362

Application No :17/02/2012 Filing Date

(87) International

:WO 2012/120269 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)UNIVERSITY COLLEGE CARDIFF CONSULTANTS

LIMITED

Address of Applicant :c/o Dr Philip Barnes 30 36 Newport

Road Cardiff South Glamorgan CF24 0DE U.K.

(72) Name of Inventor: 1)JIANG Wenguo

2)HARDING Keith

## (57) Abstract:

The invention relates to at least one molecular target for healing or treating wounds and in particular chronic human wounds. The molecular target is PTPRK or a protein 50% homologous therewith and which retains the same activity as PTPRK protein. Further the invention concerns a novel therapeutic for treating said wounds and a novel gene therapy approach involving said molecular target for treating said wounds.

No. of Pages: 43 No. of Claims: 19

(21) Application No.1548/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/08/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: INFUSION PACKET AND ITS MANUFACTURE

(51) International classification	:B65D75/46,B65D85/808	(71)Name of Applicant :
(31) Priority Document No	:11155732.8	1)UNILEVER PLC
(32) Priority Date	:24/02/2011	Address of Applicant :a company registered in England and
(33) Name of priority country	:EPO	Wales under company no. 41424 Unilever House 100 Victoria
(86) International Application No	:PCT/EP2012/051223	Embankment London Greater London EC4Y 0DY U.K.
Filing Date	:26/01/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2012/113602	1)AXE Susanne Emma
(61) Patent of Addition to Application	:NA	2)HADDOW Philip Gordon
Number	:NA	3)HILL Howard Paul
Filing Date	:NA	4)PARKER Richard Charles
(62) Divisional to Application Number	:NA	5)WHITLOCK Peter John
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to an infusion packet comprising a single sealed compartment (16) the compartment having a top (8) and a bottom (9) defined by two transverse seals (7) that are separated by a distance D the distance D being in the range of 40 to 70 mm wherein the compartment comprises at least one side gusset (15) the side gusset (15) consisting of two gusset panels (12) and three gusset creases (13 14).

No. of Pages: 21 No. of Claims: 14

(21) Application No.1549/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : LEAVE ON NON SOLID SKIN CONDITIONING COMPOSITION WHICH HAS A CONTINUOUS PHASE AND CONTAINS 12 HYDROXYSTEARIC 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></ul>	:A61K8/365,A61K8/60,A61K8/86 :13/029562 :17/02/2011 :U.S.A.	(71)Name of Applicant: 1)UNILEVER PLC Address of Applicant: Unilever House 100 Victoria Embankment London Greater London EC4Y 0DY U.K.
(86) International Application No Filing Date (87) International Publication No	:PCT/EP2012/050851 :20/01/2012 :WO 2012/110276	(72)Name of Inventor: 1)PEHRATOVIC Hasiba 2)MOADDEL Teanoosh 3)DOBKOWSKI Brian John
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

Leave on non solid oil continuous skin conditioning compositions comprising 2 hydroxy stearic acid. Compositions contain 12HSA yet have a relatively low viscosity so are suitable for spreading on the skin and are stable on storage and structurally reversible through temperature cycling.

No. of Pages: 38 No. of Claims: 10

(22) Date of filing of Application :18/06/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: TIME SHIFTING IN TELECONFERENCE CONDUCTED WITHIN VIRTUAL WORDS

## (57) Abstract:

System and method to provide an immersive virtual world conference environment, the method including: establishing a live virtual world conference, by use of a virtual world server; recording, in a memory coupled to the virtual world server, events related to live participants in the live virtual world conference, wherein the live participants are communicatively coupled to the virtual world server; receiving a request from a first virtual user to experience the virtual world conference at a predetermined virtual time that is different than a present real time; retrieving from the memory events related to live participants that occurred no later than the predetermined virtual time; restoring a conference state based upon the retrieved events; and providing an interaction responsive to the conference state and the first virtual user, in order to produce the immersive virtual world conference state.

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

(22) Date of filing of Application :18/06/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: A SYSTEM AND METHOD FOR PHONETIC SEARCHING OF DATA

(51) International classification (31) Priority Document No	:13/605,084	
(32) Priority Date (33) Name of priority country	:06/09/2012 :U.S.A.	Address of Applicant :211, MOUNT AIRY ROAD BASKING RIDGE NEW JERSEY 07920 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KEITH MICHAEL PONTING
(87) International Publication No	: NA	2)BRIAN ANDREW MELLOR
(61) Patent of Addition to Application Number	:NA	3)MALCOLM FINTAN WILKINS
Filing Date	:NA	4)GARETH ALAN WYNN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for phonetically searching media including a plurality of audio tracks is disclosed where each audio track is indexed to provide a phonetic representation of the audio track. The method comprises obtaining a text search query and searching for the text query against a set of reference documents to obtain a sub-set of pseudo-relevant documents. The pseudo-relevant documents are examined for a set of search expressions characterizing the pseudo-relevant documents. A phonetic representation corresponding to at least some of the set of search expressions is provided and for each of the phonetic representations of the search expressions, the indexed phonetic representations for one or more of the plurality of audio tracks is phonetically searched to provide any indicators of the incidence of the search expression within the one or more audio tracks. The resulting indicators from said phonetic searching are combined into a set of combined results for each of the set of search expressions; and the combined results returned.

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

(22) Date of filing of Application :25/03/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: HIGHWAY POWER GENERATION SYSTEM WITH THE SPECIAL TURBINE

	:H02K7/18,	(71)Name of Applicant :
(51) International classification	G09F9/33,	1)Bhavsar Swapnil Chandrakant
	H02J7/35	Address of Applicant :M-64/768, Chitrakut Apartment Sola
(31) Priority Document No	:NA	Road, Naranpura Ahmedabad-380063 Gujarat, India.
(32) Priority Date	:NA	2)Jain Anjil Anvin
(33) Name of priority country	:NA	3)Shah Parin Kamalkumar
(86) International Application No	:NA	4)Dr. Vasani Rupesh Parmanand
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Dr. Vasani Rupesh Parmanand
(61) Patent of Addition to Application Number	:NA	2)Shah Parin Kamalkumar
Filing Date	:NA	3)Jain Anjil Anvin
(62) Divisional to Application Number	:NA	4)Bhavsar Swapnil Chandrakant
Filing Date	:NA	5)Patel Bhupendra Laljibhai

#### (57) Abstract:

The present invention a vehicle passing is through a highway the specially design turbine gives mechanical energy and generator converts mechanical energy to electrical energy and the electrical energy store into battery and the battery is attached to inverter, and the inverter gives electrical energy to the street lights and other components.

No. of Pages: 11 No. of Claims: 3

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1759/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/09/2013 (43) Publication Date: 12/06/2015

### (54) Title of the invention: ISOLATOR DEVICE FOR PASSING THROUGH A SIGNAL

(51) International :H04R29/00,H04R27/00,H04R3/00 classification

:WO 2012/134274

(31) Priority Document No :2006468 (32) Priority Date :25/03/2011 (33) Name of priority country: Netherlands

(86) International Application :PCT/NL2012/050189

:26/03/2012 Filing Date

(87) International Publication

(61) Patent of Addition to **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)ASTREA INTELLECTUEEL EIGENDOMSRECHT B.V.

Address of Applicant: Nipkowweg 5 II NL 8501 XH Joure

Netherlands

(72) Name of Inventor:

1)JONKMAN Willemjan Johannes

#### (57) Abstract:

Isolator devices for a class A evacuation system are provided. The isolators each have specific address in the system. This allows the isolators to report individually with address information and status information for example related to errors in the system and the device in particular. In an embodiment a speaker can be connected to the device. This allows the speaker to be addressed individually so dedicated information like alarms and spoken messages can be sent to specific speakers. Dedicated isolators are available for announcing powering the network and routing network traffic. Routers provide a possibility to create multiple loops reducing wiring and increasing redundancy. By sending data in different branches by means of spread spectrum modulation more data can be sent and effects of cross talk between branches is highly reduced.

No. of Pages: 39 No. of Claims: 23

(22) Date of filing of Application :07/06/2013

(43) Publication Date: 12/06/2015

# $(54) \ Title \ of the invention: AN \ EFFICIENT \ PROCESS \ FOR \ SEPARATION \ OF \ DIASTEREOMERS \ OF \ 9-[(R)-2-[[(R,S)-[[(S)-1-(ISOPROPOXYCARBONYL)ETHYL]AMINO]-PHENOXYPHOSPHINYL] \ METHOXY]PROPYL]ADENINE$

#### (57) Abstract:

Abstract The present invention relates to an efficient process for the separation of diastereomers of 9-[(R)-2-[[(R,S)-[[(S)-1-(Isopropoxycarbonyl)ethyl]amino]-phenoxyphosphinyl]methoxy]propyl]adenine and to a process for preparing <math>9-[(R)-2-[[(R)-1-(Isopropoxycarbonyl)ethyl]amino]phenoxyphosphinyl]methoxy]propyl]adenine and <math>9-[(R)-2-[[(S)-1-(Isopropoxycarbonyl)ethyl]amino]phenoxyphosphinyl]methoxy]propyl] adenine.

No. of Pages: 28 No. of Claims: 33

(22) Date of filing of Application :07/11/2013

(43) Publication Date: 12/06/2015

# (54) Title of the invention: STANDING WAVE AMPLIFICATION DEVICE FOR VIBRATION SIGNAL COLLECTION AND LADLE SLAG VIBRATION SIGNAL DETECTION METHOD

#### (57) Abstract:

A standing wave amplification device for vibration signal collection includes a sensing rod (11) acting as standing wave transmission medium. A standing wave formation device includes two fixing support devices (12) distributed along the axial direction and connecting the sensing rod (11) to an operating arm (14). The two fixing support devices (12) respectively collect vibration waves and transmit them to the sensing rod (11) from two different locations of the operating arm (14). The vibration waves are superimposed to form a standing wave on the sensing rod (11). A vibration sensor (13) is connected to the sensing rod (11) and the vibration sensor (13) is between the two fixing support devices (12). A wave detected by the vibration sensor (13) is the standing wave. Compared with transverse wave or longitudinal wave transmitted in the transmission medium of prior art the standing wave has advantages of larger amplitude and more obvious vibration effect. A ladle slag vibration signal detection method based on the device also has said advantages. The sensing rod (11) can make physical resonance by which the standing wave signal is amplified and real warning rate of ladle slag is improved effectively.

No. of Pages: 25 No. of Claims: 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.125/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/01/2014

(43) Publication Date: 12/06/2015

# (54) Title of the invention : AGONISTS OF SRC HOMOLOGY 2 CONTAINING PROTEIN TYROSINE PHOSPHATASE 1 AND TREATMENT METHODS USING THE SAME

	:C07C255/57,	(71)Name of Applicant:
(51) International classification	C07D213/68,	1)NATIONAL TAIWAN UNIVERSITY
	C07C311/29	Address of Applicant :No.1 Sec.4 Roosevelt Road Taipei
(31) Priority Document No	:61/514555	10617 TAIWAN.
(32) Priority Date	:03/08/2011	2)NATIONAL YANG MING UNIVERSITY
(33) Name of priority country	:U.S.A.	3)DCB USA LLC
(86) International Application No	:PCT/US2012/049446	(72)Name of Inventor:
Filing Date	:03/08/2012	1)SHIAU Chung Wai
(87) International Publication No	:WO 2013/020014	2)CHEN Kuen Feng
(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 provides new compounds of formula I II or III which have Src homology 2 containing protein tyrosine phosphatase 1 (SHP 1) agonist activity. Also provided are treatment methods using the compounds of formula I II or III.

No. of Pages: 85 No. of Claims: 22

(21) Application No.1513/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :09/05/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: A PROCESS FOR PREPARING ALKENE FROM ALKANE

(51) International classification  (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	CO7C //00, CO7C //06 NA NA NA NA NA NA NA	(71)Name of Applicant:  1)RELIANCE INDUSTRIES LIMITED  Address of Applicant: 3RD FLOOR, MAKER CHAMBER-IV 222, NARIMAN POINT MUMBAI-400021, INDIA (72)Name of Inventor:  1)GHOSH RAJSHEKHAR 2)AHUJA RITU 3)TEMBE GOPAL LAXMAN 4)PILLAI MUTHUKUMARU SUBRAMANIA 5)JASRA RAKSH VIR
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## (57) Abstract:

The present disclosure provides a process for dehydrogenation of a feed comprising at least one alkane selected from the group consisting of n-butane and isobutane to obtain at least one compound selected from the group consisting of 1-butene, cis-2-butene, trans-2-butene, isobutene and combinations thereof, said process comprises reacting the feed with at least one hydrogen acceptor in the presence of at least one pincer ligated iridium catalyst in a non-reactive medium at a temperature in the range of 100°C to 250°C. The dehydrogenation is carried out at lower temperature and yield is higher.

No. of Pages: 23 No. of Claims: 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2006/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/08/2012 (43) Publication Date: 12/06/2015

### (54) Title of the invention: TWO STROKE ENGINE WITH LOW CONSUMPTION AND LOW EMISSIONS

(51) International :F02B33/20,F02B33/30,F02B33/44 classification

:WO 2011/101878

(31) Priority Document No :PCT/IT2010/000057

(32) Priority Date :17/02/2010

(33) Name of priority country :Italy

(86) International Application :PCT/IT2010/000057

:17/02/2010

Filing Date

(87) International Publication

(61) Patent of Addition to

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71) Name of Applicant: 1)PRIMAVIS S.r.l.

Address of Applicant : Via Ettore de Sonnaz 19 I Torino Italy

(72)Name of Inventor: 1)BALDINI Piero

## (57) Abstract:

Two stroke engine (10) including an engine cylinder (18) a piston (20) sliding in the engine cylinder (18) an air pump (9) a main pipe (32) connected to the air pump (9) that communicates with the engine cylinder (18) through a plurality of scavenging pipes (28) opening into the cylinder immediately above the piston (20) in its bottom dead center position an exhaust pipe also opening into the cylinder (18) immediately above the piston (20) in its bottom dead center position an auxiliary pipe (29) branching from the main pipe (32) and opening into the cylinder (18) at a level higher than the scavenging pipes (28) and exhaust pipes (33) and a valve (30) capable of selectively opening and closing the auxiliary pipe (29) and configured to supercharge and decompress the cylinder (18) during the engine start up phase.

No. of Pages: 25 No. of Claims: 16

(22) Date of filing of Application :24/06/2013 (43) Publication Date : 12/06/2015

### (54) Title of the invention: IMPROVED THEFT PREVENTION SYSTEM FOR AUTOMOBILES

(51) International classification	:B60R25/04, B60R25/10	(71)Name of Applicant: 1)MOHD. RAHISH
(31) Priority Document No	:NA	Address of Applicant :10/60, SADAR BAZAR, SAGAR-
(32) Priority Date	:NA	470001, MADHYA PRADESH, INDIA
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)MOHD. RAHISH
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) A1		1

#### (57) Abstract:

The present invention discloses an antitheft system that allows automobile owner to remotely disable his vehicle when stolen or suspected to get stolen. When the automobile owner calls from his cell phone assigned with a unique number to the cell phone fitted into the automobile; electric signals defined by definite frequency (unique number) gets transmitted to triggering circuit that bridge cell phone circuit fitted to automobile and ignition circuit of the automobile and let the ignition turns off. Therefore automobile owner can call the number assigned to the, said theft prevention system and trigger his car in any geographic location through this unique system of remote access and thus thieves cannot turn on the ignition again. Automobile having general purpose internal combustion engine equipped with a power generator that supplies operating power in response to operators manipulation of recoil starter can be protected by implementing this theft prevention system.

No. of Pages: 11 No. of Claims: 1

(22) Date of filing of Application :24/09/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: QUICK COUPLING FOR ELECTRONIC CIGARETTE

(51) International classification :A24F47/00,H01R24/00 (71)Name of Applicant : (31) Priority Document No 1) SHENZHEN BOGE TECHNOLOGY CO. LTD :201320063122.6 (32) Priority Date :04/02/2013 Address of Applicant :2/E6 BuildingShasan Chuang Ye (33) Name of priority country Industrial Park Shajing Town Baoan District Shenzhen :China (86) International Application No :PCT/CN2013/077517 Guangdong 518000 China (72) Name of Inventor: Filing Date :20/06/2013 (87) International Publication No :WO 2014/117467 1)ZHENG junxiang (61) Patent of Addition to Application 2)ZHANG xianhui

Number :NA
Filing Date :NA
Filing Date :NA
Filing Date :NA
Filing Date :NA

### (57) Abstract:

Disclosed is a quick coupling for an electronic cigarette the coupling comprising a battery adapter panel (201) arranged above a battery (10). A pair of elastic battery columns (30) is welded on the top surface of the battery adapter panel (201) so as to form two electrodes at the lower end of a connector. A 2pin socket (202) is welded on the bottom surface of the battery adapter panel (201) the 2pin socket (202) is connected to the battery (10) in such a way that the socket and the battery switch into conduction and the 2pin socket (202) is connected to the elastic battery columns (30) by means of the battery adapter panel (201). The upper ends of the elastic battery columns (30) are abutted against an atomizer plug (40) a pair of electrode columns (401) and a heating filament (403) are fixed onto the atomizer plug (40) and both ends of the heating filament (403) are welded to the electrode columns (401) by means of guide lines (402) in such a way that the heating filament and the electrode columns switch into conduction. The upper end and the lower end of the quick coupling for an electronic cigarette are respectively provided with the electrodes (401) of the atomizer plug (40) and the battery adapter panel (201) and the middle thereof is fixedly provided with the elastic battery columns (30). The quick coupling for an electronic cigarette has a simple structure and production technology has a high production efficiency and has a low production cost.

No. of Pages: 12 No. of Claims: 3

(22) Date of filing of Application :13/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : AN IMPROVED PROCESS FOR PREPARATION OF TENELIGLIPTIN AND INTERMEDIATES THEREOF

(51) International classification		(71)Name of Applicant:
(31) International classification	C07D417/14	1)CADILA HEALTHCARE LIMITED
(31) Priority Document No	:NA	Address of Applicant :CADILA HEALTHCARE LTD; PLOT
(32) Priority Date	:NA	NO. 26-29 & 31, DABHASA-UMARAYA ROAD, VILL.
(33) Name of priority country	:NA	DABHASA-391440 TAL. PADRA, DIST. VADODARA,
(86) International Application No	:NA	GUJARAT, INDIA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DWIVEDI SHRIPRAKASH DHAR
(61) Patent of Addition to Application Number	:NA	2)SINGH KUMAR KAMLESH
Filing Date	:NA	3)SOLANKI KIRTIPALSINH SAJJANSINH
(62) Divisional to Application Number	:NA	4)RATHOD DAYAWANT BHIM SING
Filing Date	:NA	5)UPADHYAY UMESH GANESH

### (57) Abstract:

The present invention provides an improved process for the preparation of teneligliptin of Formula (I) or its pharmaceutically acceptable salts, hydrates or solvates thereof. The invention also provides process for the preparation of intermediates of formulae (III) and (V) (I)

No. of Pages: 43 No. of Claims: 24

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2120/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :24/06/2013 (43) Publication Date : 12/06/2015

(54) Title of the invention: FURNACE

(51) International classification	14/06, F27B	)Name of Applicant: )MAGNALENZ Address of Applicant: B/4, SHAKRIBA INDUSTRIAL TATE, BEHIND INDOGERMAN TOOL ROOM LTD.,
(31) Priority Document No	:NA PH	ASE IV, VATVA, AHMEDABAD, GUJARAT, INDIA
(32) Priority Date	:NA (72	)Name of Inventor :
(33) Name of priority country	:NA 1	YAGNIK, CHINMAY
(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) 41	•	

### (57) Abstract:

The present subject matter provides furnace. The furnace is a bottom pouring induction furnace. The bottom pouring induction furnace comprises a container, an inlet, an outlet and optionally a lid and a stopper. The inlet, the outlet and the stopper are aligned with each other to maintain the continuous flow of molten metal from the bottom pouring induction furnace. The bottom pouring induction furnace is further coupled with induction coil along the both side of the wall. The availability of induction coil along the both side of the wall provide optimal heat to induction furnace to melt solid or crude metal and also part of induction coil prevent cooling of molten metal, while discharging the molten metal from induction furnace, thereby provide desired shape to final product.

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

(22) Date of filing of Application :24/06/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: A VALVE FOR AN LPG CAMPING CYLINDER

(51) International classification	:F16K31/20, F16K17/36	(71)Name of Applicant: 1)KOSAN INDUSTRIES PVT. LTD.
(31) Priority Document No	:NA	Address of Applicant :64/65, LAXMI INSURANCE
(32) Priority Date	:NA	BUILDING, SIR P M ROAD, FORT, MUMBAI - 400 001,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DEY SUNIL KHAGENDRA
(87) International Publication No	: NA	2)GOCULDAS LAXMIKUMAR NARCTTAMDAS
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A valve for a fluid cylinder for regulating fluid flow includes a valve body, a packing, a hollow spring retainer element, an excess flow device, a spring, a displaceable first restrictor and a displaceable second restrictor. The valve body having an axial bore having varying cross-section with least cross-sectional dimension at intermediate portion thereof. The packing disposed within valve body and is axially displaceable. The hollow spring retainer element engages with valve body and includes a centrally disposed hole. The excess flow device engages with hollow spring retainer element and has at least one radial and one central hole. The spring received within hollow spring retainer urges displaceable first restrictor towards bore at intermediate portion of valve body to define a close and an open configuration. The displaceable second restrictor disposed within excess flow device facilitates regulation of fluid outflow and inflow by selectively blocking aperture and central hole respectively.

No. of Pages: 25 No. of Claims: 7

(21) Application No.1068/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :25/03/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: GPS POWERED WALLET

<ul> <li>(51) International classification</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>	:A45C1/06, A45C13/18,G01S 5/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Dr. Vasani Rupesh Parmanand Address of Applicant:07, Aditraj Bunglows, Near Nandanvan-5, B/h Kalatirth Apartment, Prernatirth Derasar Road, Jodhpur, Ahmedabad-380015. Gujarat, India.  2)Shah Parin Kamalkumar  3)Jain Anjil Anvin  4)Bhavsar Swapnil Chandrakant  (72)Name of Inventor:  1)Dr. Vasani Rupesh Parmanand  2)Shah Parin Kamalkumar  3)Jain Anjil Anvin  4)Bhavsar Swapnil Chandrakant  5)Patel Bhupendra Laljibhai
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## (57) Abstract:

The present invention of ~GPS Powered WalletTM is a specially designed wallet that has a GPS transmitter. The transmitter continuously transmits the data of the position of the wallet. This GPS is connected to a satellite through which the data of position of wallet is transmitted. The GPS transmitter is made in a shape of a credit card and the position of the GPS can be tracked by using a specially designed application.

No. of Pages: 8 No. of Claims: 3

(22) Date of filing of Application :18/06/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: SYSTEM AND METHOD FOR ENHANCING SELF-SERVICE SECURITY APPLICATIONS

(51) International classification	:G06F21/36	(71)Name of Applicant:
(31) Priority Document No	:13/630,137	1)AVAYA INC
(32) Priority Date	:28/09/2012	Address of Applicant :211, MOUNT AIRY ROAD BASKING
(33) Name of priority country	:U.S.A.	RIDGE NEW JERSEY 07920 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)O'CONNOR NEIL
(87) International Publication No	: NA	2)GEARY, DARA
(61) Patent of Addition to Application Number	:NA	3)MCCORMACK, TONY
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Embodiments of the present invention may enable a user of an electronic device to setup a game-based environment within the electronic device that can be used as an authentication platform to prevent access by illegitimate or unauthorized users. The communication device may include a display screen, a processor, and a memory coupled to the processor. The memory may include a database and an instruction set. The database may store pre-defined access patterns that can be used in the authentication process. Further, the instruction set may include instructions executable by the processor to monitor inputs made by a new user in the game based environment. Furthermore, the instructions executable by the processor may match the inputs of the new user with the pre-defined access patterns to check the authentication of a new user.

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

(22) Date of filing of Application :25/06/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: SYSTEM FOR ASSISTING A USER IN GETTING UP FROM A BED

<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>	:A61G7/053 :NA :NA :NA	(71)Name of Applicant:  1)INDIAN INSTITUTE OF TECHNOLOGY BOMBAY Address of Applicant: INDIAN INSTITUTE OF TECHNOLOGY, INDUSTRIAL DESIGN CENTRE, ADI
(86) International Application No Filing Date (87) International Publication No	:NA :NA :NA	SHANKARACHARYA MARG, POWAI, BOMBAY 400076, INDIA. (72)Name of Inventor:
(61) Patent of Addition to Application Number Filing Date	:NA :NA	1)SINGH, REENU 2)RAY, GAUR, G.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

This invention relates generally to an inflatable cushioning system. More particularly the present invention relates to a system for assisting a user in getting up. It may be used along with the bed, benches, chairs etc through minor modifications to aid sick and infirm in getting up without requiring others assistance. It comprises an inflatable pillow comprising a PVC fabric bag, which contains two hard nylon sheets within which lies an inflatable air cavity which is the size of the hard nylon sheets and an adjustable frame means having an angular bent of approximately 70-80 degrees to provide substantially firm grip.

No. of Pages: 28 No. of Claims: 13

(22) Date of filing of Application :25/06/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: PROCESS INTENSIFICATION IN HYDROPROCESSING

		(71)Name of Applicant:
(51) International classification	:C10G45/02	1)Indian Oil Corporation Limited
(31) Priority Document No	:NA	Address of Applicant :G-9, Ali Yavar Jung Road, Bandra
(32) Priority Date	:NA	(East), Mumbai-400 051, India Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)BUTLEY, Ganesh Vitthalrao
Filing Date	:NA	2)GUPTA, Yamini
(87) International Publication No	: NA	3)SARKAR, Mainak
(61) Patent of Addition to Application Number	:NA	4)ARANGARASU, Arun
Filing Date	:NA	5)SAU, Madhusudan
(62) Divisional to Application Number	:NA	6)KUMAR, Brijesh
Filing Date	:NA	7)RAJAGOPAL, Santanam
		8)MALHOTRA, Ravinder Kumar

#### (57) Abstract:

The Invention A multi-stage hydrotreating process for obtaining ultra low sulfur diesel boiling range hydrocarbon having less than 10 ppm sulfur with elimination of external hot high pressure separator and avoiding the formation of recombinant mercaptans by way of removing hydrogen sulfide formed during hydroprocessing reaction in excess to that required for keeping hydroprocessing catalyst in active sulfided form comprising the steps of (a) mixing of a diesel boiling range hydrocarbon feedstock with hydrogen in predetermined quantities and sending to the first predominantly liquid phase hydroprocessing reaction stage. (b) Effluent from the first hydroprocessing reaction stage is sent to first separator zone of open and empty space housed in the upper part of the second hydroprocessing reaction stage to flash off the dissolved reaction products hydrogen sulfide and ammonia. (c) Liquid part of the effluent of first hydroprocessing reaction stage which settles at the bottom part of first separator zone is passed to the second predominantly liquid phase hydroprocessing reaction stage. (d) Repeating the process till the liquid product sulfur level of less than 10 ppm is attained and the liquid product is sent to further processing.

No. of Pages: 27 No. of Claims: 12

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1876/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: IMPROVED ROPEWAY 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>	B61B12/00 :NA	(71)Name of Applicant:  1)ASHOK PURSHOTTAM LACHKE Address of Applicant: AMAR VILLA, LANE NO. 13, PROFESSOR KALE PATH, BHANDARKAR ROAD, DECCAN GYMKHANA, PUNE-411004, MS, INDIA Maharashtra India (72)Name of Inventor:
Filing Date	:NA	1)ASHOK PURSHOTTAM LACHKE
(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:

Disclosed is a ropeway system that has at least two terminals, at least one cable and at least one cabin. The ropeway system comprises a first terminal and a second terminal of the at least two terminals that is secured through a bottom end at two bases positioned parallel with respect to each other. Each of the first terminal and the second terminal has a power storing unit, an extendible means and a jack. The present invention provides a ropeway system for transportation and electricity generation. The system provides a cost effective and eco-friendly means of transport.

No. of Pages: 18 No. of Claims: 1

(22) Date of filing of Application :19/06/2013 (43) Publication Date : 12/06/2015

### (54) Title of the invention: REMOTE PAPERLESS PROCESS FOR MULTIPLE 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> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04L9/32, G06Q50/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)DOLPHIN RFID PVT. LTD. Address of Applicant:110/111, B-WING, GANPATI TOWERS, THAKUR VILLAGE, KANDIVALI (EAST), MUMBAI - 400 101 Maharashtra India (72)Name of Inventor: 1)COMMODORE SURESH SAWHNEY 2)NIPUN MALHOTRA 3)SACHIN JOSHI
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#### (57) Abstract:

A system for implementing Remote Paperless Process for implementing ppm Comprises a Java based Middleware. Edge Wizard (TM), Copyrighted by Dolphin RFID Pvt Ltd. a server module developed in the Edge Wizard and configured so that the PPM details are loaded for an individual equipment which includes machinery daily, weekly, bi weekly, monthly, 3 monthly, 6 monthly and yearly routines without any limitations as to the number of activities / routines which can be added to the maintenance module, an android mobile device loaded with Application software and configured to communicate to the server through GSM Network / Wi-Fi Network in an encrypted and secure special format, RFID tags attached to or embedded in the equipment/module/submodule. an RFID reader either connected to the mobile device or the internal NFC reader of the device configured to read the RFID tags, the server is further configured to co-relates the tag information with the machinery, picks up all relevant data and mails it back to the mobile device within seconds after it received the mail from the field and updating the record once the updated report is received from the field.

No. of Pages: 8 No. of Claims: 4

(22) Date of filing of Application :27/06/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: PREPARATION OF STEROLS AND TOCOPHEROLS

<ul> <li>(51) International classification</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>	:C07J9/00, C07C51/00 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)PRAJ INDUSTRIES LIMITED  Address of Applicant:PRAJ HOUSE, BAVDHAN, PUNE -  411021, INDIA. Maharashtra India (72)Name of Inventor:  1)MANGESH GANESH KULKARNI 2)AVINASH RAMESH FULPAGAR 3)ATUL KISHOR RAUT 4)PRAJAKT SUBHASH CHARHATE
(61) Patent of Addition to Application Number Filing Date	:NA :NA	4)PRAJAKT SUBHASH CHARHATE 5)MANDAR PRAVIN LONE
(62) Divisional to Application Number Filing Date	:NA :NA	6)UMESH MANIKRAO INGLE

#### (57) Abstract:

A process for the preparation of sterols and tocopherols from plant materials like soybean oil deodorizer distillate is disclosed. The process comprising steps of aqueous saponification, followed by esterification and crystallization of crude sterol crystals and separation of mother liquor containing tocopherols, and finally recrystallization of said crude sterol crystals to the final sterol preparations of higher purity and yield. The mother liquor so obtained is subjected to molecular distillation, following by solvent extraction and resin purification to get tocopherol preparations of higher purity and yield for use in pharmaceutical, neutraceutical and cosmetic products.

No. of Pages: 30 No. of Claims: 7

(22) Date of filing of Application :27/06/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: ELECTRIC MACHINE COOLING ARRANGEMENT 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> <li>(61) Patent of Addition to Application Number</li> </ul>	H02K9/00 :13/547,658	(71)Name of Applicant:  1)DEERE & COMPANY  Address of Applicant:ONE JOHN DEERE PLACE,  MOLINE, ILLINOIS, 61265-8098, USA  (72)Name of Inventor:  1)MCKINZIE KYLE K  2)LOVE GALEN R
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An electric machine coupled to a driven device in a vehicle, the electric machine including a stator and a housing containing the stator. The housing has at least one cooling channel around at least a portion of an internal circumference of the housing. The cooling channel is defined by a first housing portion and a second housing portion, the first housing portion being sealed to the second housing portion.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1362/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/07/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: METHOD FOR INCREASING PRODUCTION OF LATEX

<ul> <li>(51) International classification</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>	:25/10/2012 :WO 2014/064802 :NA :NA	(71)Name of Applicant:  1)ASAHI GROUP HOLDINGS LTD.  Address of Applicant:23 1 Azumabashi 1 chome Sumida ku Tokyo 1308602 JAPAN. (72)Name of Inventor:  1)KITAGAWA Takanori
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

There is provided a method for increasing the production of latex without causing damage such as splitting of the bark to a latex producing plant the method capable of being applied to young plants and used for improving the production capability of latex. A method for increasing the production of latex characterized in applying to a latex producing plant a reducible fertilizer obtained by hydrothermal reaction treatment of a mixture of yeast or yeast cell walls phosphoric acid and potassium.

No. of Pages: 26 No. of Claims: 5

(22) Date of filing of Application :04/07/2014 (43) Publication Date: 12/06/2015

### (54) Title of the invention: PROGRAMMABLE CELL MODEL FOR DETERMINING CANCER TREATMENTS

(51) International classification :G06F19/12,C12Q1/00,C12Q1/68 (71)Name of Applicant : :61/576,835 (31) Priority Document No

(32) Priority Date :16/12/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/CA2012/001152

No :14/12/2012 Filing Date

(87) International Publication :WO 2013/086619

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1) CRITICAL OUTCOME TECHNOLOGIES INC. Address of Applicant: 700 Collip Circle Suite 213 London

Ontario N6G 4X8 Canada (72) Name of Inventor: 1)DANTER Wayne R

### (57) Abstract:

The disclosure relates to a programmable cancer cell model that may be customized to simulate the effect of gene mutations for example mutations identified from a particular cancer patient s tissue sample. The simulation may be used to assess the likelihood of a candidate treatment resulting in stable remission for the patient. The model makes use of a fuzzy cognitive map (FCM) simulator that employs a matrix to represent healthy cell signaling relationships and an input disease vector representing one or more genetic mutations. The disease state vector is multiplied by the matrix to produce a stable diseased cell state vector after multiple iterations. A candidate treatment may then be proposed based upon the diseased cell state vector. After multiple iterations with a treatment vector the efficacy of the proposed treatment on the patient's particular cancer can be assessed reducing reliance on the traditional trial and error approach.

No. of Pages: 78 No. of Claims: 53

(22) Date of filing of Application :14/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : METHODS AND SYSTEMS FOR IDENTIFYING CONTENT IN A DATA STREAM BY A CLIENT DEVICE

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No Number Filing Date (62) Divisional to Application Filing Date (51) International classification (51) International classification (51) International Classification (51) International Publication (51) Patent of Application No (51) Patent of Application (51) Name of Applicant: (52) 28 Hammersmith Grove London W (72) Name of Inventor: (73) Name of Applicant: (74) Name of Applicant: (75) Name of Inventor: (75) Name of Inventor: (75) Name of Inventor: (75) Name of Inventor: (76) Name of Inventor: (77) Name of Inventor: (77) Name of Inventor	W6
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#### (57) Abstract:

Methods and systems for identifying content in a data stream by a client device are provided. The methods may include receiving at the client device a signature file that is indicative of one or more features extracted from media content and information identifying the media content. The method may also include based on a comparison with the signature file the client device performing a content identification of received media content rendered by a media rendering source. The client device may receive a set of signature files based on any number of factors including a physical location of the client device a network address of the client device a previous content recognition request of the client device a genre preference an artist preference and a user profile.

No. of Pages: 50 No. of Claims: 42

(22) Date of filing of Application :27/06/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: EMBEDDED MULTIFUNCTIONAL AIR PURIFIER USED IN KITCHEN

<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>	:A61L 9/00 :NA :NA :NA	(71)Name of Applicant:  1)KOMPASS TECHNOLOGY CO., LTD.  Address of Applicant:18F.,-6, NO. 107, SEC. 1,  JHONGSHAN RD., SINJHUANG DIST., NEW TAIPEI CITY,  TAIWAN, R.O.C. Taiwan
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor: 1)CHING-CHENG KAO
(87) International Publication No	: NA	2)CHING-HUNG CHIEN
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An embedded multifunctional air purifier used in a kitchen is installed in a predetermined space of a cupboard and includes a casing, a front filter, an electrostatic dust collector, an air extraction module, a photocatalyst module and a vitamin C filter. An air inlet and an air outlet are formed on a front side of the casing; an air channel is formed in the casing; the front filter is installed at the air inlet; the electrostatic dust collector id installed at a front section of the air channel; the air extraction module and the photocatalyst module are installed at a rear section of the air channel; and the vitamin C filter is installed at the air outlet, so as to eliminate fume odor and germs in the kitchen and provides the function of producing vitamin C.

No. of Pages: 15 No. of Claims: 10

(22) Date of filing of Application :25/06/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: INNOVATION SOURCING SYSTEM FOR KNOWLEDGE BASED INNOVATION

Filing Date :NA (62) Divisional to Application Number :NA Filing Date :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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	G06F 7/00 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)TATA CONSULTANCY SERVICES LIMITED Address of Applicant: Nirmal Building, 9th Floor, Nariman Point, Mumbai, Maharashtra 400021 (72)Name of Inventor: 1)VENKATARAMAN, Arun 2)SRINIVASAN, Adinarayanan 3)RAMAKRISHNA, Dileep 4)SURYANARAYANA, Ashwini
	Filing Date	:NA	

#### (57) Abstract:

Innovation sourcing systems and methods for knowledge based innovation are described. In one implementation, an innovation sourcing system (102) includes a knowledge integrator (110). The knowledge integrator (110) can extract knowledge content related to a topic from knowledge databases (112). The knowledge content includes trends on at least one topic and showcases of existing products and services related to the at least one topic. Based at least on the knowledge content, a task handling module (116) can receive user inputs in response to posted tasks. The user inputs include ideas and ratings of the idea. An idea converter (120) can receive at least partial implementation solutions from users for incorporating at least one idea, selected from the ideas received in the user inputs, into at least one of a product and a service.

No. of Pages: 30 No. of Claims: 14

(21) Application No.2165/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :26/06/2013

(43) Publication Date: 12/06/2015

# (54) Title of the invention : GENERATOR MANAGEMENT SYSTEM THAT DETERMINES A TIME TO ACTIVATE AND DEACTIVATE GENERATORS BASED ON THE LOAD 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> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H02J3/00, H02J3/38 :13/559,643 :27/07/2012 :U.S.A. :NA :NA :NA :NA	
Filing Date	:NA	

#### (57) Abstract:

Some embodiments relate to a generator management system 10. The generator management system 10 includes a first generator 11 and a second generator 13. A bus 15 connects at least one of the first generator 11 and the second generator 13 to a load L. A control 16 determines a time delay to (i) connect the first generator 11 and the second generator 13 to the bus 15; and/or (ii) disconnect the first generator 11 and second generator 13 from the bus 15. The control 16 varies the time delay based on the load L supplied by the first generator 11 and the second generator 13.

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

(22) Date of filing of Application :26/06/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: SYSTEMS AND METHODS FOR GENERATING POWER OUTPUT USING HYBRID 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>	:H02J3/00, H02J3/38 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MAHENDRAN, Dineshkumar Address of Applicant: E/13 SANKALP HSG SOCIETY, SACHDEV NAGAR-2, C BLOCK, ULHASNAGAR -421003, MAHARASHTRA, INDIA 2)PATIL, Sujit Ashok 3)PATIL,Vijay Bhairu 4)KOLI, Soham Krishnakumar 5)SURYAVANSHI, Sagar Krishna (72)Name of Inventor: 1)SURYAVANSHI, Sagar Krishna 2)KOLI, Soham Krishnakumar 3)PATIL,Vijay Bhairu 4)PATIL, Sujit Ashok 5)MAHENDRAN, Dineshkumar
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## (57) Abstract:

System and methods for generating power output using hybrid system, wherein the system comprises a) an internal combustion engine; b) an electric motor; c) a planetary gear system; d) an internal combustion engine side brake; and e) an electric motor side brake.

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

(21) Application No.2167/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :26/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : GENERATOR MANAGEMENT SYSTEM THAT SELECTIVELY ACTIVATES GENERATORS BASED ON AN OPERATING PARAMETER

(33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date :NA :NA :NA	1)Kohler Co. Address of Applicant :444 Highland Drive, Kohler, WI 53044 U.S.A.
(62) Divisional to Application Number :NA Filing Date :NA	

#### (57) Abstract:

Some embodiments relate to an example generator management system. The generator management system includes a first generator that is adapted to supply power to a load and a first generator controller that operates the first generator. The generator management system further includes a second generator that is adapted to supply power to the load and a second generator controller that operates the second generator. The generator management system further includes a communication bus that connects the first generator controller and the second generator controller exchange data. At least one of the first generator controller and the second generator controller and the second generator in an order that depends on an operating parameter of the first generator and the second generator (as opposed to a fixed sequence which is done in existing systems).

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

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :10/06/2013 (43) Publication Date : 12/06/2015

(54) Title of the invention: FOLDAWAY DRIVE

(51) International classification		(71)Name of Applicant:
	3/02	1)SUMEDH S. REWATKAR
(31) Priority Document No	:NA	Address of Applicant :NEAR NABIRA COLLEGE,
(32) Priority Date	:NA	DHANTOLI TAH.KATOL, DIST. NAGPUR (MS) - 441302
(33) Name of priority country	:NA	Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SUMEDH S. REWATKAR
(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	
(55) 11		1

(21) Application No.1973/MUM/2013 A

#### (57) Abstract:

Congested cities are fast becoming test tubes for scientists studying the impact of traffic fumes on the brain. As roadways choke on traffic, researchers suspect that the tailpipe exhaust from cars and trucksespecially tiny carbon particles already implicated in heart disease, cancer and respiratory ailments, may also injure brain cells and synapses key to learning and memory. Also the parking problems are too severe in the cities. That the people waste ampie amount of time in searching the parking place. Also sometimes it is nearly impossible to take out your car from an improperly parked place. Most of the people use car for a single person just to drive to the office, often people are requested for car-pooling. The present invention aims at providing a solution to the problems related to use of a big car. We have designed a compact foldable vehicle. It is a compact yet powerful vehicle that could be used in place of a large car. The vehicle could be folded after use and could be carried like a luggage bag. The invention aims at a certain group of people such as office employees, touring and sporting. Also the vehicle could be carried along in a journey and be used to carry loads. The invention is termed as Foldaway Drive is a compact vehicle which will surely help in reducing the traffic problems. Also it has a better fuel efficiency than other vehicles this will lead to lesser pollution problems. Also as the vehicle is a compact foldable one, the vehicle could be folded and carried along on the foot path in case of a traffic jam. Our invention is compact enough to be kept under an office table so the problem of parking which is quite severe in the cities could be eliminated successfully. The vehicle consists of a petrol engine to drive the vehicle. The other parts are also mounted on the vehicle similar to a conventional car. The vehicle can be modified accordingly to have an automatic folding ability with the control of a remote or even a smart phone. This invention will surely lead to a revolution in the field of automobiles. That will help to reduce traffic problems, parking problems and also fuel economy related problems. This will reduce the above stated health hazard to human and will lead to a healthy life. We also propose a compact three wheel drive consisting of engine and driving assembly. The person needs to make a standing drive. The vehicle can allot enough space for the person to stand and steer it. The parts can be dismantled and compressed light enough so that the entire assembly could be carried away on shoulders effortlessly.

No. of Pages: 16 No. of Claims: 14

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : ARRANGEMENT FOR ENGAGEMENT OF FRONT MOUNTED ADD-ON BLOCK TO ELECTRICAL CONTACTOR

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:H01H23/16, H01H23/02 :NA :NA	(71)Name of Applicant:  1)LARSEN & TOUBRO LIMITED  Address of Applicant:LARSEN & TOUBRO LIMITED L&T  HOUSE, BALLARD ESTATE, P. O. BOX: 278, MUMBAI 400
(33) Name of priority country	:NA	001, INDIA Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)AMOL LAXMAN SUTAR
(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:

Disclosed is an arrangement for engagement of front mounted add-on block to an electrical contactor in a switchgear. For engaging the front mounted add-on block to the electric contactor, the electric contactor is provided with a bridge assembly which contains an insulating material component, a contact holder and a plurality spring loaded contacts mounted thereon. The contacts are meant to carry electric current. During switching operation of the electrical contactor, the bridge assembly travels to operate contact thereby making and breaking the electric current.

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

(21) Application No.1214/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :28/03/2013

(43) Publication Date: 12/06/2015

# (54) Title of the invention : CLUTCH LESS TRANSMISSION INTEGRATED WITH CO-AXIAL INTEGRATED STARTER GENERATOR FOR HYBRID ELECTRIC VEHICLE

	:B60W10/08,	(71)Name of Applicant:
(51) International classification	B60K6/46,	1)TATA MOTORS LIMITED
	B60K6/36,	Address of Applicant :BOMBAY HOUSE, 24 HOMI MODY
(31) Priority Document No	:NA	STREET, HUTATMA CHOWK, MUMBAI - 400 001,
(32) Priority Date	:NA	MAHARASHTRA, INDIA
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)PRASAD NAIR
Filing Date	:NA	2)SURESH ARIKAPUDI
(87) International Publication No	: NA	3)ILANGO PANNEERSELVAN
(61) Patent of Addition to Application Number	:NA	4)SATYANARAYANA KALVA VENKATA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present disclosure relates to a powertrain of a hybrid vehicle, comprising an input gear mounted to an input shaft of an engine, wherein the engine is connected to an axial flux machine assembly. A motor gear is connected to a motor shaft of a traction motor and geared to the input gear. A lay shaft of a transmission module is geared to the input gear and a differential unit and a shifter sleeve is connected coaxially to the input shaft, wherein upon actuation of the shifter sleeve by an actuator the shifter sleeve selectively engages the input gear, thereby facilitating clutch less gear engagement/dis-engagement of gears.

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

(22) Date of filing of Application :04/09/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: X-RAY IMAGE PHOTOGRAPHING APPARATUS AND 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> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:A61B6/00,G01T1/20 :10-2012-0100639 :11/09/2012 :Republic of Korea :PCT/KR2012/008992 :30/10/2012 :WO 2014/042310 :NA :NA	(71)Name of Applicant:  1)VIEWORKS CO.LTD.  Address of Applicant:#604 Suntechcity II 307 2 Sangdaewon dong Jungwon gu Seongnam si Gyeonggi do 462 736 Republic of Korea (72)Name of Inventor:  1)SUNG Yong Hak 2)KIM Tae Kyun
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#### (57) Abstract:

Provided are an X ray image photographing apparatus and a method thereof. The X ray image photographing apparatus and the method thereof according to the present invention verify the effectiveness of an automatic exposure request signal in detecting the X rays radiated from an X ray generator and photographing an X ray image using the self generated automatic exposure request signal thus preventing an undesired automatic exposure request signal from being generated by vibration temperature change noise or the like and thus improving the reliability of an X ray photographing operation and an photographed X ray image.

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

(22) Date of filing of Application :27/06/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: TASK EXECUTION BY IDLE RESOURCES IN GRID COMPUTING 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>	G06F15/16 :NA	(71)Name of Applicant:  1)TATA CONSULTANCY SERVICES LIMITED Address of Applicant: Nirmal Building, 9th Floor, Nariman Point, Mumbai, Maharashtra 400021 (72)Name of Inventor: 1)DEY, Swarnava 2)PAL, Arpan 3)MUKHERJEE, Arijit 4)PAUL, Himadri Sekhar
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#### (57) Abstract:

Described herein, are methods and devices for execution of a task in a grid computing system. According to an implementation, free time-slots are identified and durations of the free time-slots are estimated, by an edge device (104), for execution of a sub-task. The free time-slots are indicative of an idle state of the edge device. At least one computation capability parameter of the edge device is determined by the edge device for execution of a sub-task during the free time-slots. An advertisement profile having at least one free time-slot, and the duration and the at least one computation capability parameter associated with the at least one free time-slot is created by the edge device. The advertisement profile is provided by the edge device to grid servers (102) in the grid computing system for partitioning a main task to create a sub-task executable by the edge device.

No. of Pages: 30 No. of Claims: 27

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: COMPRESSOR FOR AN AIR CONDITIONING SYSTEM OF VEHICLE

(51) International classification	SECTOR, 89, M.I.D.C., SATPUR, NASHIK - 422 007 MAHARASHTRA STATE, INDIA (72)Name of Inventor: 1)BHAUPATIL VILAS YEWALE 2)SOMNATH EKNATH ASWALE 3)NACHIKET MARUTI KODKANI
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#### (57) Abstract:

Disclosed is a compressor for an air conditioning system of a vehicle. The compressor comprises a drive, a pulley and a dual clutch. The compressor operates on a dual power source such as an engine shaft and an electric motor based on an operating condition of the vehicle and thus operates even when the engine is OFF and the vehicle is not moving. The compressor reduces thrust and load on the engine thereby reducing fuel consumption and improving the engine performance.

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

(22) Date of filing of Application :17/08/2012 (43) Publication Date : 12/06/2015

## (54) Title of the invention: UNDERWATER ENERGY STORAGE SYSTEM AND POWER STATION POWEREDTHEREWITH

<ul><li>(51) International classification</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>	:F02C 6/16, H02J15/00 :61/304,499 :15/02/2010 :U.S.A. :PCT/IL2011/000157	(71)Name of Applicant: 1)Arothron Ltd. Address of Applicant: P.O. Box 378 30952 Zikhron-Yaakov Israel. (72)Name of Inventor: 1)ELAZARI-VOLCANI Ron
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:15/02/2011 :WO/2011/099014 :NA :NA :NA :NA	

#### (57) Abstract:

An underwater energy storage system includes a tank for storing a compressed gas that is adapted to be stored underwater. The tank includes at least one water opening through which water from surrounding environment can flow into and out of the tank and at least one gas opening through which the compressed gas is received. The underwater energy storage system further includes at least one duct communicating between the at least one opening for gas flow and a source of compressed gas and a compartment constructed over a roof of the tank wherein said compartment is adapted for receiving weights at a sinking site of the tank.

No. of Pages: 72 No. of Claims: 68

(22) Date of filing of Application :28/06/2013

(43) Publication Date: 12/06/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR PRESENTING A SINGLE PERSISTENT VIEW OF A MULTI-MODULE COMMUNICATION DEVICE TO 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>	:U.S.A. :NA	RIDGE NEW JERSEY 07920 U.S.A. (72)Name of Inventor: 1)EZELL, JOEL M.
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:NA : NA :NA :NA	2)TANABE, JASON
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

An endpoint adaptor and methods of operating the same are provided. The endpoint adaptor provides a single persistent view of a mobile communication device to a network and network-based applications. Moreover, a mobile application on the communication device can leverage the full capabilities of the device without passing any of the complexities associated therewith beyond a network agent acting on behalf of the mobile application.

No. of Pages: 22 No. of Claims: 10

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: SYSTEM AND METHOD FOR EFFICIENTLY MANAGING LARGE CONTACT CENTERS

(51) International classification	:B23B 3/22	(71)Name of Applicant:
(31) Priority Document No	:13/630,152	1)AVAYA INC
(32) Priority Date	:28/09/2012	Address of Applicant :211, MOUNT AIRY ROAD BASKING
(33) Name of priority country	:U.S.A.	RIDGE NEW JERSEY 07920 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)STEINER, ROBERT C.
(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:

Provided is a system and method that identifies a characteristic associated with a resource. A resource can be, for example, an agent in a contact center. An identifier, representing the characteristic is associated with the resource (e.g., a bit) is stored in a first memory location. A characteristic associated with a work item is identified. The characteristic associated with the work item can be for example, a type of communication (e.g., email, voice, video, etc.), a company represented by the work item, and the like. The identifier representing the characteristic associated with the work item is stored in a second memory location. The first memory location is bit masked and compared with the second memory location to determine if the resource should process the work item. In response to determining that the resource should process the work item, the work item is routed to the resource, such as an agent.

No. of Pages: 29 No. of Claims: 10

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: CREATING VIRTUAL GROUPS FOR MANAGING A CONTACT CENTER

<ul> <li>(51) International classification</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>	:G06Q10/00 :13/630,290 :28/09/2012 :U.S.A. :NA :NA	· /
<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>	: NA :NA :NA :NA :NA	2)WEBER, GREGORY D.

#### (57) Abstract:

A first virtual group is dynamically created. A virtual group allows a supervisor or subject matter expert to virtually monitor contact center communications that an agent is currently associated with. The supervisor or subject matter expert can define criteria for a first event to create the virtual group. The first virtual group typically comprises a first agent avatar representing a first agent, a first monitoring avatar representing the supervisor or subject matter expert, and a first entity avatar representing a first customer. These avatars are created in a first virtual reality setting such as a virtual room. Using the first monitoring avatar, the supervisor or subject matter expert can virtually monitor a communication between the agent and the customer.

No. of Pages: 32 No. of Claims: 10

(22) Date of filing of Application :26/03/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A MECHANISM FOR LOCKING AND UNLOCKING WIPER ARM

<ul><li>(51) International classification</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>	:B60S1/34 :NA :NA :NA :NA	(71)Name of Applicant: 1)TATA MOTORS LIMITED Address of Applicant: Bombay House, 24 Homi Mody Street, Hutatma Chowk, Mumbai 400 001, Maharashtra, INDIA (72)Name of Inventor:
Filing Date	:NA	1)SHILPA NANAKISHOR KALE
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	2)UDAY SHANKAR SAMBARE
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Embodiments of the present disclosure relate to a wiper arm assembly 200 and a method for locking and unlocking a wiper arm 101 at predetermined positions. The wiper arm assembly 200 comprises wiper arm 101 characterized as bottom part 101a and top part 101b, support member 201, track 203 and locking unit 207. The locking unit 207 is placed on the top part 101b. The support member 201 is fixed to bottom part 101a of the wiper arm 101 and position of the support member 201 is proximal to hinged portion of the bottom part 101a and the top part 101b. The track 203 is formed on the support member 201 and comprises one or more indents 205 at predetermined positions. The locking unit 207 guides on track 203 when the wiper arm 101 is moved from a non-working position and resides at any one of the one or more indents 205 to lock the wiper arm 101 at predetermined position.

No. of Pages: 24 No. of Claims: 9

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1988/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/10/2013

(43) Publication Date: 12/06/2015

# (54) Title of the invention : FIREARM AIMING SYSTEM THEREFOR METHOD OF OPERATING THE FIREARM AND METHOD OF REDUCING THE PROBABILITY OF MISSING A 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 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>	:F41G3/06 :211966 :28/03/2011 :Israel :PCT/IB2012/051389 :22/03/2012 :WO 2012/131548 :NA :NA :NA	(71)Name of Applicant:  1)SMART SHOOTER LTD.  Address of Applicant:19238 Kibbutz Ramat Hashofet Israel (72)Name of Inventor:  1)EHRLICH Avshalom
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#### (57) Abstract:

A firearm aiming system comprising an imaging system comprising an imaging sensor and an image processor; and a user display wherein the imaging system is adapted to detect a potential target on the user display based on target features. In some embodiments the system includes a firing processor with an epsilon logic module for calculating a target aim point/area used by the firing processor to make a firing decision.

No. of Pages: 36 No. of Claims: 38

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: AUTOMATIC CALL NOTIFICATION GROUPS

(51) International classification	:H04M3/00,	(71)Name of Applicant:
(31) International classification	H04M5/00	1)AVAYA INC
(31) Priority Document No	:13/622,525	Address of Applicant :211, MOUNT AIRY ROAD BASKING
(32) Priority Date	:19/09/2012	RIDGE NEW JERSEY 07920 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:NA	1)FLOCKHART, ANDREW D.
Filing Date	:NA	2)STEINER, ROBERT C.
(87) International Publication No	: NA	3)KOHLER, JOYLEE
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
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#### (57) Abstract:

A contact center is described along with various methods and mechanisms for administering the same. Work assignment methods are disclosed that push notifications to one or more resources about available work item opportunities. The one or more resources can pull the work item from the notification groups to handle the work item. Moreover, the pushed notifications can be added to a traditional work assignment scheme to aid in the answering of work items and/or offer training to a plurality of resources.

No. of Pages: 36 No. of Claims: 10

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : SYSTEM, METHOD, AND APPARATUS FOR DETERMINING EFFECTIVENESS OF ADVANCED CALL CENTER ROUTING ALGORITHMS

<ul> <li>(51) International classification</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>	:13/623,267 :20/09/2012 :U.S.A. :NA :NA : NA : NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

A contact center is described along with various methods and mechanisms for administering the same. The contact center proposed herein provides the ability to, among other things, simultaneously execute two different work assignment algorithms on the same work flow either in real-time as the work flow is received or in a simulation environment. The differences in the way that each work assignment algorithm handles the same work flow are compared and contrasted to help describe the differences in the work assignment algorithms.

No. of Pages: 27 No. of Claims: 10

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SCARCE RESOURCES MANAGEMENT

<ul> <li>(51) International classification</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>	:13/622, 538 :19/09/2012 :U.S.A. :NA :NA : NA : NA	(71)Name of Applicant: 1)AVAYA INC Address of Applicant:211, MOUNT AIRY ROAD BASKING RIDGE NEW JERSEY 07920 U.S.A. (72)Name of Inventor: 1)STEINER, ROBERT C. 2)FLOCKHART, ANDREW D. 3)KOHLER, JOYLEE
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)KOHLER, JOYLEE
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A contact center is described along with various methods and mechanisms for administering the same. In general, methods are disclosed that are configured to analyze work assignments to determine one or more scarce resources for further management. By analyzing the attributes, that are common to a number of work assignments made over a period of time, resources possessing those attributes may be classified as scarce. These scarce resources may be managed in accordance with their demand and business rules. To efficiently handle work items associated with valued customers, the scarce resources may be removed from traditional work assignments and held in reserve. The reserved scarce resources may be applied to the valued customers work items.

No. of Pages: 33 No. of Claims: 10

(22) Date of filing of Application :22/06/2013 (43) Publication Date: 12/06/2015

## (54) Title of the invention: HEAT CURING SEALANT COMPOSITIONS HAVING FAST SKIN FORMATION AND HIGH TENSILE STRENGTH

(51) International classification: C09J163/00,B62D27/02,C09J5/06 (71) Name of Applicant:

:WO 2012/084806

(31) Priority Document No :10196683.6 (32) Priority Date :23/12/2010

(33) Name of priority country :EPO

(86) International Application

:PCT/EP2011/073218 :19/12/2011

Filing Date (87) International Publication

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number :NA

Filing Date

1)SIKA TECHNOLOGY AG

Address of Applicant : Zugerstrasse 50 CH 6340 Baar

Switzerland

(72) Name of Inventor: 1)VOCI Antonio

2)KRAMER Andreas

3)SCHULENBURG Jan Olaf 4)GUTGSELL Michael

5)BURCKHARDT Urs

(57) Abstract:

The invention relates to heat curing sealant compositions including at least epoxy resin dicyandiamide or an amine complex of a Lewis acid polyurethane polymer (PUP) comprising isocyanate groups and polyaldimine. Said one component sealant compositions are characterized by fast skin formation and high tensile strength. Due to short skin formation time said compositions are optimally suitable for use as sealants in autobody work because a CDP paint can be excellently layered on top of same.

No. of Pages: 42 No. of Claims: 15

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1394/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/07/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : ALPHABODIES SPECIFICALLY BINDING TO CYTOKINES OR GROWTH FACTORS AND/OR CYTOKINE OR GROWTH FACTOR RECEPTORS

(51) International classification :C07K16/24,C07K14/00 (71)Name of Applicant : (31) Priority Document No :PCT/EP2011/050138 1)COMPLIX NV (32) Priority Date :06/01/2011 Address of Applicant :Bioville Agoralaan Building A bis B (33) Name of priority country 3590 Diepenbeek Belgium :EPO (86) International Application No :PCT/EP2012/050193 (72) Name of Inventor: Filing Date 1)LASTERS Ignace :06/01/2012 (87) International Publication No :WO 2012/093172 2)DESMET Johan (61) Patent of Addition to Application 3)HENDERIKX Maria :NA Number 4)WEHNERT Anita :NA Filing Date 5)MEERSSEMAN Geert (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

Alphabodies that specifically bind to cytokines or growth factor and/or their receptors as well as polypeptides that comprise or essentially consist of such Alphabodies. Further nucleic acids encoding such Alphabodies; methods for preparing such Alphabodies and polypeptides; host cells expressing or capable of expressing such Alphabodies and polypeptides; compositions and in particular pharmaceutical compositions that comprise such Alphabodies polypeptides nucleic acids and/or host cells; and uses of such Alphabodies or polypeptides nucleic acids host cells and/or compositions in particular for prophylactic therapeutic or diagnostic purposes.

No. of Pages: 115 No. of Claims: 23

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: HIGH AVAILABILITY SESSION RECONSTRUCTION

<ul> <li>(51) International classification</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>	:13/750,528 :09/08/2012 :U.S.A. :NA :NA : NA	Address of Applicant :211, MOUNT AIRY ROAD BASKING RIDGE NEW JERSEY 07920 U.S.A. (72)Name of Inventor: 1)HASERODT, KURT 2)OHRSTROM-SANDGREN, THORSTEN
(61) Patent of Addition to Application Number	:NA :NA	3)EZELL, JOEL 4)GILLESPIE, DON
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	4)GILLESPIE, DON

#### (57) Abstract:

A first message is received at a primary container that is replicated by a secondary container. The first message is an initial message to initiate a first session. The first message is processed by an application in the primary container. At a point in time, the primary container is unavailable and the system and method detect that the primary container is unavailable. A second message is received. The second message is associated with the first session. The second message is modified by moving at least a portion of a header in the second message into a different header in the second message and adding an additional header to the second message in response to the primary container being unavailable.

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

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: MULTIPLE SIMULTANEOUS CONTACT CENTER OBJECTIVES

<ul> <li>(51) International classification</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>	:13/623,310 :20/09/2012 :U.S.A. :NA :NA : NA : NA	
	:NA :NA	, , ,
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Methods, devices, and systems are provided such that multiple contact center objectives can be simultaneously analyzed and normalized by a single algorithm. A solution is provided for executing an algorithm that is able to consider multiple objectives simultaneously rather than serially. By considering multiple objectives in parallel when making work assignment decisions instead of considering single objectives, decisions and contact center adjustments are made with more efficiency and with a minimal use of resources.

No. of Pages: 29 No. of Claims: 10

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: REDISTRIBUTING ROUTES IN BACKBONE EDGE BRIDGE MULTI-CHASSIS LINK AGGREGATION GROUP TOPOLOGGIES BETWEEN TWO ROUTING PROTOCOLS

<ul> <li>(51) International classification</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>	:13/591,115 :21/08/2012 :U.S.A. :NA :NA	Address of Applicant :211, MOUNT AIRY ROAD BASKING RIDGE NEW JERSEY 07920 U.S.A. (72)Name of Inventor:  1)DEEPAK RAMESH
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	1)DEEPAK RAMESH 2)VINUTA K.S.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method, system and computer readable medium for redistributing routes in backbone edge bridge multi-chassis link aggregation group topologies between two routing protocols is described. The method can include learning, at a first node, a first routing table entry originating from a first side of a network and being received in a first protocol and creating, at the first node, and generating second routing entry information, in a second protocol different from the first protocol. The method can also include forwarding the second routing entry information from the first node to a second node. The second node adds the second routing entry information to a routing table when the second routing is not present in a routing table and ignores the second routing entry information when the second routing entry information is present in the routing table.

No. of Pages: 16 No. of Claims: 10

(22) Date of filing of Application :06/01/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SMART AND SCALABLE OFF GRID MINI INVERTERS

<ul> <li>(51) International classification</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>	:61/495540 :10/06/2011 :U.S.A.	(71)Name of Applicant:  1)CYBOENERGY INC.  Address of Applicant: 2868 Prospect Park Drive Suite 300 Rancho Cordorva CA 95670 U.S.A. (72)Name of Inventor:  1)CHENG George Shu xing 2)MULKEY Steven L. 3)CHOW Andrew J.
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### (57) Abstract:

A method and apparatus is disclosed for intelligently inverting DC power from DC sources such as photovoltaic (PV) solar modules to single phase or three phase AC power to supply power for off grid applications. A number of regular or redundant off grid Mini Inverters with one two three or multiple input channels in a mixed variety can easily connect to one two three or multiple DC power sources such as solar PV modules invert the DC power to AC power and daisy chain together to generate and supply AC power to electrical devices that are not connected to the power grid including motors pumps fans lights appliances and homes.

No. of Pages: 51 No. of Claims: 22

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: ARRANGEMENT OF COIL WIRES IN A ROTOR OF 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 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>	:H02K15/00, H02K3/12 :1211566.3 :29/06/2012 :U.K. :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)NIDEC MOTORS & ACTUATORS (GERMANY) GMBH Address of Applicant:SEEWIESENSTRABE 9, 74321, BIETIGHEIM-BISSINGEN, GERMANY (72)Name of Inventor: 1)JURGEN SCHMID
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#### (57) Abstract:

An armature for an electric motor, the armature comprising a plurality of teeth and a plurality of cavities, wherein each one of the cavities is arranged between two of the plurality of teeth, and wherein at least one of the plurality of cavities is configured and arranged for receiving coil windings adjacent to a wall portion of the at least one cavity, wherein the at least one of the plurality of cavities comprises a switching wire receptor.

No. of Pages: 17 No. of Claims: 15

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: STABLE PHARMACEUTICAL COMPOSITION OF ASENAPINE

(51) International classification	:A61K9/20, A61K31/40	(71)Name of Applicant : 1)Alembic Pharmaceuticals Limited
(31) Priority Document No	:NA	Address of Applicant :Alembic Campus, Alembic Road,
(32) Priority Date	:NA	Vadodara-390 003, Gujarat, India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)TADURI Veerababu Ramabrahmmam
Filing Date	:NA	2)VAIDYA Viral Ramesh
(87) International Publication No	: NA	3)LALANI Jigar Rameshchandra
(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 stable pharmaceutical composition for sublingual and/or buccal administration comprising asenapine or pharmaceutically acceptable salt thereof, antioxidant. water-soluble polymer, water soluble diluent, disintegrant and optionally one or more pharmaceutically acceptable excipient having improved bioavailability or is bioequivalent to marketed product Saphris®, Sycrest® and process for preparation of same.

No. of Pages: 24 No. of Claims: 9

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: ELECTROSTATIC SHIELDING OF SENSORS

	:H01F	(71) Nome of Applicant
(51) International classification	.H01F 27/36.	(71)Name of Applicant : 1)KHARKAR Ashish Bhimrao
(* -)	F03D11/00,	· ·
(31) Priority Document No	:NA	Gate, Amravati- 444601 Maharashtra,
(32) Priority Date	:NA	2)KULKARNI OmPrakash Ganpatrao
(33) Name of priority country	:NA	3)MEHRA Yogesh Jogindernath
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KHARKAR Ashish Bhimrao
(87) International Publication No	: NA	2)KULKARNI OmPrakash Ganpatrao
(61) Patent of Addition to Application Number	:NA	3)MEHRA Yogesh Jogindernath
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present subject matter relates to a shielded sensing system (112) mounted on a component of wind turbine (100). The shielded sensing system (112) includes a shielding box (204) having a cover (210), where the shielding box (204) and the cover (210) are made from conductive material. Further, shielded sensing system (112) includes an insulation plate (214) having a first insulation plate (214a) disposed inside the shielding box (204) on a base portion (208) of the shielding box (204), and having a second insulation plate (214b) disposed outside the shielding box (204) between the base portion (208) of the shielding box (204) and the component of the wind turbine (100). On the first insulation plate (214a), a torque monitoring sensor (202) is mounted inside the shielding box (204).

No. of Pages: 16 No. of Claims: 15

(22) Date of filing of Application :29/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: FORMULATIONS FOR BOWEL DISORDERS

#### (57) Abstract:

The present invention relates to fixed dose combination of mebeverine and one or more antiflatulents. The present invention further relates to pharmaceutical compositions comprising fixed dose combination of modified release mebeverine hydrochloride and antiflatulents. The invention also relates to methods of preparing such fixed dose combinations and pharmaceutical compositions.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1235/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/06/2013

(43) Publication Date: 12/06/2015

## (54) Title of the invention: METHODS AND COMPOSITIONS USING SMALL INTERFERING RNA (SIRNA) FOR NEMATODE CONTROL IN PLANTS

(51) International :C12N15/82,C12N15/113,A01H5/00

classification (31) Priority Document No :61/421275

(32) Priority Date :09/12/2010 (33) Name of priority :U.S.A. country

(86) International :PCT/US2011/064082 Application No

:09/12/2011 Filing Date

(87) International Publication :WO 2012/078949

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)SYNGENTA PARTICIPATIONS AG

Address of Applicant: Schwarzwaldallee 215 CH 4058 Basel

Switzerland

(72) Name of Inventor: 1)HUANG Xiang

2)MCNEILL Thomas Z. 3)SCHWEINER Michael

## (57) Abstract:

The present invention provides a double stranded RNA molecule comprising an antisense strand and a sense strand wherein the nucleotide sequence of the antisense strand is complementary to a portion of the nucleotide sequence of a Hg rps 23 gene of a soybean cyst nematode nucleic acid molecules encoding the RNA molecules and compositions comprising the nucleic acid molecules and RNA molecules of this invention as well as methods of their use in enhancing resistance of a plant or plant cell to nematode infestation and infection.

No. of Pages: 71 No. of Claims: 62

(22) Date of filing of Application :23/09/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: ALUMINUM ALLOY COMPOSITIONS AND METHODS FOR DIE CASTING THEREOF

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C22C21/02,B22D21/04 :61/471323 :04/04/2011	(71)Name of Applicant:  1)EMERSON CLIMATE TECHNOLOGIES INC.  Address of Applicant: 1675 W. Campbell Road Sidney Ohio
(33) Name of priority country (86) International Application No	:U.S.A. :PCT/US2012/032181	45365 0669 U.S.A. (72)Name of Inventor:
Filing Date	:04/04/2012	1)WILLIAMSON Warren G.
(87) International Publication No (61) Patent of Addition to Application	:WO 2012/138767 :NA	
Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Aluminum alloys are provided that have improved fluidity and elongation as well as freedom of die soldering. The aluminum alloys are particularly suitable for die casting of structural components. The aluminum alloy includes silicon at from about 8 weight % to about 11 weight %; manganese at from about 0.8 weight % to about 1.9 weight % iron at from about 0.1 weight % to about 0.5 weight % magnesium at from about 0.2 weight % to about 0.7 weight % boron at from about 0.002 weight % to about 0.15 weight % strontium at from about 0.006 weight % to about 0.017 weight % less than about 0.25 weight % copper less than about 0.35 weight % zinc less than about 0.25 weight % titanium and a balance of aluminum. Methods related to the aluminum alloys are also provided.

No. of Pages: 33 No. of Claims: 21

(21) Application No.2211/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :29/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : A METHOD AND A SYSTEM FOR INSTANTANEOUSLY INFORMING OWNER ABOUT MISPLACED BELONGINGS

(51) International classification (31) Priority Document No	G06K17/00 :NA	(71)Name of Applicant:  1)Moreshwar Khanderao Dani Address of Applicant: 767/9, Bhandarkar Institute Road, Pune
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:NA :NA	411004, Maharashtra. India (72)Name of Inventor:
(86) International Application No Filing Date	:NA :NA	1)Moreshwar Khanderao Dani
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA :NA	

## (57) Abstract:

The present invention provides a system for instantaneously informing the owner, contact details and other information about his/her lost/misplaced belongings. The system having a tag enclosing a Radio Frequency Identification (RFID/NFC) chip therein. The tag can be secured to the belonging of the owner, the RFID chip storing the mobile number of the owner. Further, any RFID/NFC device is capable of storing location and contact number  $\square$  of authorized  $^{\mathsf{T}}$ lost & found  $^{\mathsf{T}}$ M or baggage handling agencies/ organizations like airports, airlines, bus terminus, railway station etc. and capable of reading RFID/NFC tag and sending the above information on GSM network as SMS may be used, like NFC enabled mobile phone or any other NFC enabled reader/ device.

No. of Pages: 18 No. of Claims: 12

(21) Application No.2212/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :01/07/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : A COMPUTER IMPLEMENTED SYSTEM AND METHOD FOR PERFORMING CASHLESS 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</li> </ul>	G06F3/044 :NA :NA :NA :NA	(71)Name of Applicant: 1)AGASHE, MANDAR Address of Applicant:CHANDRASHEKHAR, 242, SHANIWAR PETH, PUNE- 411030, MAHARASHTRA, INDIA. (72)Name of Inventor: 1)AGASHE, MANDAR
Filing Date (87) International Publication No	:NA : NA	
(61) Patent of Addition to Application Number	:	
Filed on (62) Divisional to Application Number Filing Date	:01/01/1900 :NA :NA	

#### (57) Abstract:

The present disclosure envisages a computer implemented system and method for performing cashless transactions. The system includes a device application can be installed and executed on a device accessible to a user and a server application configured in a transaction server. The user can register and download the device application on his/her device. A transaction is initiated by the user selecting the appropriate card (i.e. financial account detail related to the user) along with the transaction amount on the device application displayed on his/her device and further transmitting a request for a One Time Password (OTP) to the transaction server via a communication network. The server application is capable of generating a One Time Password (OTP) for the user initiated transaction. The OTP received by the user on his/her device can be utilized by the user for completing the monetary transaction.

No. of Pages: 26 No. of Claims: 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.127/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :21/01/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SILENT REDIAL DURING MOBILE ORIGINATED CALL

<ul> <li>(51) International classification</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>	:19/07/2012 :WO 2013/013044	(71)Name of Applicant:  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)SWAMINATHAN Arvind  2)BALASUBRAMANIAN Srinivasan  3)GINDE Samir V.
(87) International Publication No		2)BALASUBRAMANIAN Srinivasan
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Aspects of the present disclosure provide techniques to speed up and improve silent redial success rates in wireless communications. A user equipment (UE) may determine how to attempt retrying a mobile originated (MO) call and procedures for selecting a subsequent system for attempting the call based at least in part on a restriction status of the call and a detected failure.

No. of Pages: 43 No. of Claims: 48

(22) Date of filing of Application :10/10/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: SCREW DRIVEN SLIDABLE PIERCING ELECTRONIC SMOKING SET

:A24F47/00,A61M15/06 (71)Name of Applicant : (51) International classification (31) Priority Document No :201210440438.2 1)XIU Yunqiang (32) Priority Date Address of Applicant :22F Building A Jinduhuayuan No.37 :07/11/2012 (33) Name of priority country Donghai West Rd Shinan Qingdao Shandong 266071 China :China (86) International Application No :PCT/CN2013/078862 (72) Name of Inventor: Filing Date :05/07/2013 1)XIU Yungiang (87) International Publication No :WO 2014/071747 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

### (57) Abstract:

Disclosed is a screw driven slidable piercing electronic smoking set comprising a smoking set housing (1) wherein a liquid smoke capsule (4) and an atomizer (3) are mounted in the smoking set housing (1) an air inlet passage (14) is provided on the atomizer (3) a smoke suction port (2) is provided on a side wall of the smoking set housing (1) the atomizer (3) is mounted to the other side of the smoking set housing (1) the atomizer (3) is provided with a piercing liquid guiding frame (5) at one side of the liquid smoke capsule (4) a thread is provided in the inner or outer peripheral wall of one end of the smoking set housing (1) mounted with the atomizer (3) a guide block (8) is mounted to an inside wall of the end of the smoking set housing (1) mounted with the atomizer (3) the guide block (8) is axially arranged along the smoking set housing (1) an outside wall of the atomizer (3) is provided with a guide groove (9) and the guide groove (9) cooperates with the guide block (8). The electronic smoking set can avoid the phenomenon that an open flame is generated due to a heating wire igniting impurities after the dust and impurities enter the atomizer (3) and also prevent harmful substances in the impurities from being sucked into the human body. The atomizer (3) and the liquid smoke capsule (4) are prevented from separating such that the sealing reliability between the atomizer (3) and the liquid smoke capsule (4) is further maintained.

No. of Pages: 23 No. of Claims: 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1904/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 10/10/2013 (43) Publication Date: 12/06/2015

(54) Title of the invention: FACILE SYNTHESIS OF GRAPHENE GRAPHENE DERIVATIVES AND ABRASIVE NANOPARTICLES AND THEIR VARIOUS USES INCLUDING AS TRIBOLOGICALLY BENEFICIAL LUBRICANT **ADDITIVES** 

(51) International classification: C01B31/02,B82B3/00,B82Y40/00 (71) Name of Applicant:

:15/03/2012

(31) Priority Document No :61/452781 (32) Priority Date :15/03/2011

(33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/029276

No

Filing Date :WO 2012/125854

(87) International Publication

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA

Number :NA Filing Date

1)PEERLESS WORLDWIDE LLC

Address of Applicant :2536 Nw 53rd Street Boca Raton FL

33496 2204 U.S.A.

(72) Name of Inventor:

1)SHANKMAN Richard S.

#### (57) Abstract:

Methods of ex situ synthesis of graphene graphene oxide reduced graphene oxide other graphene derivative structures and nanoparticies useful as polishing agents are disclosed. Compositions and methods for polishing hardening protecting adding longevity to and lubricating moving and stationary parts in devices and systems including but not limited

lo engines turbos turbines tracks races wheels bearings gear systems armor heat shields and other physical and mechanical systems employing machined interacting hard surfaces through the use of nano polishing agents formed in from lubricating compositions and in some cases and their various uses are also disclosed.

No. of Pages: 134 No. of Claims: 39

(22) Date of filing of Application :01/07/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A FUEL TANK ASSEMBLY FOR AN AUTOMOBILE

<ul> <li>(51) International classification</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 Filed on</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:B60K15/04, B60K15/077 :NA :NA :NA :NA :NA : NA : 589/MUM/2009 :17/03/2009 :NA :NA	(71)Name of Applicant:  1)TATA MOTORS LIMITED  Address of Applicant: BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400 001, INDIA Maharashtra India (72)Name of Inventor:  1)MR. DINKAR A PATIL 2)MR. MAHESH CHINTAMAN KULKARNI 3)MR. PANKAJ PURSHOTTAM BARAI
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#### (57) Abstract:

A fuel tank assembly for an automotive application comprising of bottom shell and top shell configured to be joined at the edges by welding at the seam. The fuel tank assembly is mounted on the horizontal long member of the chassis with the able help of said mounting brackets placed longitudinally along the edge of fuel tank. A surge pot located at bottom of said fuel tank; said surge pot having an aperture on its side wall for fluidly communicating with fuel tank at low fuel level; at least one fuel supply unit mounted on said top shell and positioned inside said surge pot; a tubular member connected longitudinally on the surge pot such that an end portion of the tubular member passes through the aperture of the surge pot towards the fuel tank and an opposite end portion of the tubular member being positioned within the surge pot.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1107/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHODS AND COMPOUNDS FOR DETECTING 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 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>	:1021494.8 :20/12/2010 :U.K.	(71)Name of Applicant:  1)UNIVERSITY COLLEGE CARDIFF CONSULTANTS LIMITED  Address of Applicant :c/o Dr Philip Barnes 30 36 Newport Road Cardiff South Glamorgan CF24 0DE U.K. (72)Name of Inventor:  1)WEEKS Ian  2)JAFFAR Mohammed  3)KNOX Richard
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## (57) Abstract:

The invention relates to a method for diagnosing cancer, particularly bladder or prostate cancer using compounds of general formula (I): wherein R1, R2, R3, R4, R5 X, Y and z are as defined herein.

No. of Pages: 61 No. of Claims: 23

(22) Date of filing of Application :24/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : OIL FROM SOAPNUT SEEDS AS A BIODIESEL SOURCE FOR COMPRESSION IGNITION ENGINE

(51) International classification	·C10I 1/02	(71)Nome of Applicant
(51) International classification	:NA	(71)Name of Applicant:
(31) Priority Document No		1)DR.M.S.MURTHY
(32) Priority Date	:NA	Address of Applicant :PROFESSOR, MECH. ENGG.
(33) Name of priority country	:NA	INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY,
(86) International Application No	:NA	PITHAMPUR ROAD, OPP. TO IIM, INDORE, RAU, INDORE-
Filing Date	:NA	453331 Madhya Pradesh India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)DR. M.S.MURTHY
Filing Date	:NA	2)DR. R.D.MISRA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The instant innovation is identification of one of the sources of biofuel which is widely available across the country. This invention could bring in a huge source of biofuel which the country needs very urgently. The chief product of soapnut fruit is pulp which is used as a substitute for soap. The seeds in fact do not carry any value and their usage for production of biodiesel is a innovative work which has been not done so far. In fact the present use of soapnut is concentrated around saponin and its characteristics. The present work is inspired by the fact that soapnut oil has no established usage and its use as a biofuel could be a valuable investigation. Soapnut oil has no established usage. More than half of soapnuts produced naturally are getting decomposed without any usage. Presently the uses of soapnut are from the saponin of the pulp. Many parts of India and world over are suitable for large scale cultivation of soapnut trees. Soapnut (Sapindus mukorossi) oil, a non edible straight vegetable oil was used to prepare soapnut biodiesel and it is blended with petrodiesel in various proportions to evaluate the performance and emission characteristics of a single cylinder direct injection constant speed diesel engine. Petrodiesel and soapnut biodiesel (10%, 20%, 30% and 40%) fuel blends were used to conduct short-term engine performance and emission tests at varying loads from no load to full loads. Tests were carried out for engine operation and engine performance parameters such as fuel consumption, brake thermal efficiency, and exhaust emissions were recorded. Among the blends soapnut biodiesel 20% blend has shown a better performance with respect to BTE and BSEC. All blends have shown lower CO and HC emissions. NOx emissions showed a marginal increase. Soapnut biodiesel 20% has an overall better performance with regards to both engine performance and emission characteristics, however with compromise in NOx emissions.

No. of Pages: 22 No. of Claims: 7

(22) Date of filing of Application :02/07/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: TRANSPORT UNIT COMPRISING RETAINING PLATES AND CONTAINERS AND WORKING UNIT, COMPRISING A RETAINING PLATE, A HOLDER AND CONTAINERS

(51) International classification	:B65D85/00	(71)Name of Applicant:
(31) Priority Document No	:12 005 044.8	1)EPPENDORF AG
(32) Priority Date	:06/07/2012	Address of Applicant :BARKHAUSENWEG 1, DE-22339
(22) Name of priority country	:EUROPEAN	HAMBURG, GERMANY
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:NA	1)MUELLER, PHILIP
Filing Date	:NA	2)VOSS, DANIEL
(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 transport unit comprising two parallel retaining plates, which each have an arrangement of means for retaining lidded containers, and a plurality of lidded containers, which each have a tubular container and at the top of the container a closure element projecting radially outward with respect to the container, wherein lidded containers of a group of lidded containers are held parallel to each other by means for retaining of the one retaining plate, and lidded containers of another group of lidded containers are held parallel to each other by means for retaining of the other retaining plate, the lidded containers of the one group are disposed oppositely aligned to the lidded containers of the other group and nested within each other.

No. of Pages: 36 No. of Claims: 22

(22) Date of filing of Application :25/03/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PAPAD ROASTER

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	A47J37/06 NA NA NA NA NA	(71)Name of Applicant:  1)Dr. Vasani Rupesh Parmanand Address of Applicant:07, Aditraj Bunglows, Near Nandanvan-5, B/H Kalatirth Apartment, Prernatirth Derasar Road, Jodhpur, Ahmedabad-380015, Gujarat, India.  2)Shah Parin Kamalkumar  3)Jain Anjil Anvin  4)Bhavsar Swapnil Chandrakant (72)Name of Inventor:  1)Dr. Vasani Rupesh Parmanand  2)Shah Parin Kamalkumar  3)Jain Anjil Anvin  4)Bhavsar Swapnil Chandrakant  5)Patel Bhupendra Laljibhai
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# (57) Abstract:

The present invention of Papad Roaster  $\square$  is a specially designed roaster that is made in a form of tennis racket. The racketTMs net is made from highly electrical resistive metal. When  $\square$  papad roasterTM is plugged in to the power source the electrical energy is converted into heav energy due to the high electrical resistance of the  $\square$  papad roasterTM metal. And using this heat energy the papad kept on the  $\square$  papad roasterTM is roasted.

No. of Pages: 8 No. of Claims: 3

(22) Date of filing of Application :21/01/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR DETECTING AND DEALING WITH A LOST ELECTRONICS DEVICE

(51) International :H04M1/66,H04M1/725,H04W52/02 classification

(31) Priority Document No :13/183311 (32) Priority Date :14/07/2011

(33) Name of priority

country :U.S.A.

(86) International :PCT/US2012/046808

Application No
Filing Date

FC1703201

:13/07/2012

(87) International

Publication No :WO 2013/010150

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
:NA
:NA
:NA
:NA

(71)Name of Applicant:

1)OUALCOMM INCORPORATED

Address of Applicant : Attn: International Ip Administration 5775 Morehouse Drive San Diego California 92121 U.S.A..

(72) Name of Inventor:

1)CAI Lukai

2)MENENDEZ Jose R.

3)SILVERSTEIN Roy Benjamin 4)PARAMESWARAN Rajkrishnan

## (57) Abstract:

Filing Date

Techniques for detecting and dealing with a lost electronics device are disclosed. In one design the device may autonomously determine whether it is lost. The device may destroy at least one component to render it inoperable and may perform other actions in response to determining that it is lost. In another design the device may determine available battery power of the device upon determining that it is lost select at least one action in a list of possible actions based on the available battery power and perform the selected action(s). In yet another design upon determining that it is lost the device may prevent access to information on the device based on a secondary security key which is not used for encrypting information during normal operation. In yet another design the device may notify at least one contact and may perform at least one additional action upon determining that it is lost.

No. of Pages: 37 No. of Claims: 62

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1293/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :03/07/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: AUTOMATIC TRUCK LOADING GANTRY SYSTEM

:B66C 5/00, B66C 17/00	(71)Name of Applicant: 1)RANJIT DATE Address of Applicant:NALINI, 13/4 KARVE ROAD, PUNE 411041, MAHARASHTRA, INDIA
:NA	(72)Name of Inventor:
:NA	1)RANJIT DATE
:NA	2)GOVIND OZA
:NA	3)VIVEK P. KULKARNI
:NA	4)KHANDERAO NIKAM
: NA	
:NA	
:NA	
:NA	
:NA	
	5/00, B66C 17/00 :NA :NA :NA :NA :NA :NA :NA

## (57) Abstract:

An improved gantry system is disclosed herein which provides for handling of materials being loaded on and/or unloaded from trucks. Also disclosed are further nuances which enable automation in such process besides achieving optimum productivity at minimal requirements of labour, energy, time and costs

No. of Pages: 12 No. of Claims: 10

(21) Application No.1294/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :03/07/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SAFETY BUMPER FOR AUTOMATED GUIDED VEHICLES

(51) International classification	:B60T7/22	(71)Name of Applicant:
(31) Priority Document No	:NA	1)VIVEK P. KULKARNI
(32) Priority Date	:NA	Address of Applicant :SRUSHTI A20, DP ROAD, NEAR
(33) Name of priority country	:NA	GURUGANESH NAGAR, KOTHRUD, PUNE 411038,
(86) International Application No	:NA	MAHARASHTRA, INDIA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)VIVEK P. KULKARNI
(61) Patent of Addition to Application Number	:NA	2)SUBRAHMANYAM YENAMANDRA
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Disclosed herein is an improved self-adjusting safety bumper that allows detection of obstacles in path of an automated guided vehicle in a manner characteristically relative to the ground surface and independent of the position and/or level of the automated guided vehicle itself.

No. of Pages: 17 No. of Claims: 10

(22) Date of filing of Application :03/07/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: AN IMPROVED PLASTIC INJECTION MOULDING MACHINE

:B29C45/27,	(71)Name of Applicant :
B29C45/38,	1)DODIA DILIP
B29C45/28	Address of Applicant :115, TEJPAL INDUSTRIAL ESTATE,
:NA	KURLA-ANDHERI RD, SAKINAKA, MUMBAI - 400072,
:NA	MAHARASHTRA, INDIA
:NA	(72)Name of Inventor:
:NA	1)DODIA DILIP
:NA	
: NA	
:NA	
:NA	
:NA	
:NA	
_	B29C45/38, B29C45/28 :NA :NA :NA :NA :NA :NA :NA :NA

### (57) Abstract:

An improved plastic injection moulding / extrusion machine comprising: at least a hopper at one end in order to allow feeding of pelletized raw material or pellets in to a barrel portion of said machine, said barrel being adapted to allow modification of said raw material or pellets in to plastic that can be injection moulded / extruded under the influence of heat; and an oil bath or an oil jacket adapted to envelope said barrel, said oil bath or oil jacket being provided by means of conduits which envelope said barrel at predefined points, characterised in that, said oil bath or said oil jack being a compartmentalized oil bath or a compartmentalized oil jacket so that each compartment can have a distinct temperature that can be controlled or regulated or governed, externally.

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

(22) Date of filing of Application :27/09/2013 (43) Publication Date: 12/06/2015

## (54) Title of the invention: ROTARY COMPRESSOR AND ROTATION MECHANISM

:WO 2012/142944

(51) International :F04C29/02,F04B53/18,F04B39/02

classification (31) Priority Document No :201110104725.1 (32) Priority Date :18/04/2011

(33) Name of priority country :China

(86) International Application :PCT/CN2012/074247

:18/04/2012

Filing Date

(87) International Publication

(61) Patent of Addition to **Application Number** 

:NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)EMERSON CLIMATE TECHNOLOGIES (SUZHOU)

CO. LTD.

Address of Applicant : No. 69 Suhongxi Street Suzhou

Industrial Park Jiangsu 215021 China

(72) Name of Inventor: 1)MAO Chunzhi

2)SU Xiaogeng 3)LI Qingwei

4)LIU Qiang

5)LI Hongshan

#### (57) Abstract:

A rotary compressor comprising: a housing (12) comprising a lubricant oil storage part for containing lubricating oil; a compression mechanism (20) disposed in the housing (12); a driving mechanism (30) driving the compression mechanism (20) the driving mechanism (30) comprising a rotation shaft (50) through holes (54 56) extending along the axial direction of the rotating shaft (50) are disposed inside the rotating shaft (50) and the rotation shaft (50) is in fluid connection with the lubricating oil storage part via the through holes (54 56); and an oil level sensor (120) in fluid connection with the through holes (54 56) inside the rotation shaft (50) via a pressurized collection channel (110). Also disclosed is a rotation mechanism comprising an oil level sensor (120) in fluid connection with the through holes (54 56) inside the rotation shaft (50) via the pressurized collection channel (110). Accurate and reliable detection of the lubricating oil in a compressor can be done using the pressurized collection channel and the oil level sensor thus greatly saving cost and improving compressor reliability.

No. of Pages: 33 No. of Claims: 37

(22) Date of filing of Application :03/06/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: MAGLEV WIND ENERGY CONVERSION DEVICE WITH LIFT-DRAG-LIFT TYPE OF ROTOR

<ul><li>(51) International classification</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>	:F03D7/06, G05D1/05 :NA :NA :NA	(71)Name of Applicant:  1)ATUL MURLIDHAR SUDAME  Address of Applicant: PLOT NO. 208, BALPANDE  LAYOUT, GODHANI ROAD, Z. TAKLI, NAGPUR-440030,  MAHARASHTRA, INDIA.  (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:NA : NA :NA :NA	1)ATUL MURLIDHAR SUDAME
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Maglev wind energy conversion device with lift-drag-lift type of rotor is an device for harvesting energy form wind would consist of rotor which produce lift, drag and lift sequentially while air passing through each passage of rotor from diffusers. It also consist of magnetic levitation arrangement for the rotor using permanent magnet with supporting arrangement of mechnical bearing arrangement for share radial load at high laod condition in place of present available magnetic bearing to optimize radial levitation. Maglev wind energy conversion device is also introduce mounting method of rotor and other accessory of wind energy conversion device to fulfill the require condition for efficient working of rotor with adjusting variable parameter like wind speed, turbulence in air variation with respect to height from ground of earth in atmosphere and It allow maintenance of wind energy conversion device at the ground level. The present invention related to finding a new way to upgrade maglev turbine technology for absorbing more power available in wind

No. of Pages: 22 No. of Claims: 4

(22) Date of filing of Application :25/09/2012

(43) Publication Date: 12/06/2015

# (54) Title of the invention : MOLECULES AND METHODS OF USING SAME FOR TREATING ERBB/ERBB LIGANDS ASSOCIATED 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 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>	:G01N33/50, G01N33/574 :61/325,330 :18/04/2010 :U.S.A. :PCT/IL2011/000269 :22/03/2011 :WO/2011/132182 :NA :NA :NA	(71)Name of Applicant:  1)YEDA RESEARCH AND DEVELOPMENT CO. LTD. Address of Applicant :at the Weizmann Institute of Science P.O. Box 95 76100 Rehovot Israel. Israel (72)Name of Inventor: 1)LINDZEN Moshit 2)YARDEN Yosef
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## (57) Abstract:

A method of selecting a target for treatment of a hyperproliferative disease in a subject in need thereof is disclosed. The method comprising analyzing an amount and/or activity of at least one ErbB ligand in a biological sample from the subject wherein an ErbB ligand which shows an up-regulated amount and/or activity compared to a non-hyperproliferative cell or tissue above a predetermined level is selected as a target for treatment of the hyperproliferative disease. Methods of treating hyperproliferative diseases monoclonal antibodies and pharmaceutical compositions are also disclosed.

No. of Pages: 66 No. of Claims: 27

(22) Date of filing of Application :23/10/2013 (43) Publication Date: 12/06/2015

## (54) Title of the invention: HIGH EFFICIENCY COOLING SYSTEM

(51) International classification :H05K 7/20 (31) Priority Document No :61/476783 (32) Priority Date :19/04/2011 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2012/033740 Filing Date :16/04/2012

(87) International Publication No :WO 2012/145263

(61) Patent of Addition to Application :NA Number :NA

Filing Date (62) Divisional to Application Number :1882/MUMNP/2013

Filed on

(71)Name of Applicant:

1)LIEBERT CORPORATION

Address of Applicant: 1050 Dearborn Drive Columbus Ohio

43085 U.S.A.

(72) Name of Inventor:

1)JUDGE John F.

2) SCHRADER Timothy J.

3)SILLATO Stephen

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5)HELMINK Gary A.

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7)MANA Giuseppe Dalla

8)MONNIER Lou 9)LIN Zhiyong

10)DOLCICH Benedict J.

11) SCHUTTE Daniel J.

12)HAGGY Greg

13)HARVEY Thomas

14)LU Zongtao

### (57) Abstract:

A cooling system has a cabinet and a plurality of separate cooling stages including an upstream cooling stage and a downstream cooling stage. At least the upstream cooling state is a variable capacity cooling stage. Each cooling stage has a cooling circuit. Evaporators of the cooling circuits are arranged in the cabinet so that air passes over them in serial fashion. A controller when a Call for Cooling first reaches a point where cooling is needed, operating the upstream cooling circuit to provide cooling and not the downstream cooling circuit. When the Call for Cooling has increased to a second point, the controller additionally operates the downstream cooling circuit to provide cooling. The cooling capacity at which the upstream cooling circuit is being operated is less than its full capacity when the Call for Cooling reaches the second point.

:07/10/2013

No. of Pages: 76 No. of Claims: 12

(22) Date of filing of Application :23/10/2013

(43) Publication Date: 12/06/2015

## (54) Title of the invention: HIGH EFFICIENCY COOLING SYSTEM

(51) International classification :H05K 7/20 (31) Priority Document No :61/476783 (32) Priority Date :19/04/2011 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2012/033740 Filing Date :16/04/2012

(87) International Publication No :WO 2012/145263 (61) Patent of Addition to Application :NA

Number :NA
Filing Date :NA

(62) Divisional to Application Number Filed on :NA :1882/MUMNP/2013

:07/10/2013

(71)Name of Applicant:

1)LIEBERT CORPORATION

Address of Applicant :1050 Dearborn Drive Columbus O hio

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(72)Name of Inventor:

1)JUDGE John F.

2)SCHRADER Timothy J.

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6)BARBATO Pierpaolo

7)MANA Giuseppe Dalla

8)MONNIER Lou

9)LIN Zhiyong

10)DOLCICH Benedict J.

11) SCHUTTE Daniel J.

12)HAGGY Greg

13)HARVEY Thomas

14)LU Zongtao

### (57) Abstract:

A cooling system has a cabinet and a plurality of separate cooling stages including an upstream cooling stage and a downstream cooling stage. At least the upstream cooling state is a variable capacity cooling stage. Each cooling stage has a cooling circuit. Evaporators of the cooling circuits are arranged in the cabinet so that air passes over them in serial fashion. A controller when a Call for Cooling first reaches a point where cooling is needed, operating the upstream cooling circuit to provide cooling and not the downstream cooling circuit. When the Call for Cooling has increased to a second point, the controller additionally operates the downstream cooling circuit to provide cooling. The cooling capacity at which the upstream cooling circuit is being operated is less than its full capacity when the Call for Cooling reaches the second point.

No. of Pages: 79 No. of Claims: 28

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: FOLLOW ME NOTIFICATION AND WIDGETS

SKING
SK

### (57) Abstract:

Methods and systems for providing a virtual reality environment are disclosed. The environment includes shared information that is presented by a user interface to all of the participants to a meeting held within the virtual reality environment. In addition, information that is personal to particular participants can be displayed by the user interface to those participants. Accordingly, the user interface provides shared information and personal information areas. In addition, a user can interact with both the shared and personal information areas, without needing to leave the virtual reality environment.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.23/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/01/2014

(43) Publication Date: 12/06/2015

# (54) Title of the invention : CRYSTALLINE FORM OF INDAZOLYL AMIDE DERIVATIVES FOR THE TREATMENT GLUCOCORTICOID RECEPTOR MEDIATED DISORDERS

(51) International classification :C07D231/56,A61K31/416,A61P11/00

(31) Priority Document No :61/502656

(32) Priority Date :29/06/2011

(33) Name of priority country :U.S.A.

(86) International Application No :PCT/GB2012/051503

Filing Date :27/06/2012

(87) International Publication No :WO 2013/001294

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)ASTRAZENECA AB

Address of Applicant :SE 151 85 Sodertalje Sweden 2)BAYER INTELLECTUAL PROPERTY GMBH

(72)Name of Inventor:

1)ANDERSSON Helena Ingemo 2)CONWAY Kelly Yvonne 3)QUAYLE Michael John

## (57) Abstract:

Crystalline forms of 2 2 2 trifluoro N [(IR 2S) 1 [1 (4 fluorophenyl)in dazol 5 yl]oxy 1 (3 methoxyphenyl)propan 2 yl]acetamide processes for obtaining them pharmaceutical intermediates used in their manu¬ facture pharmaceutical compositions containing them and their use in medical treatment.

No. of Pages: 61 No. of Claims: 13

(12) PATENT APPLICATION PUBLICATION

(21) Application No.1346/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/07/2014

(43) Publication Date: 12/06/2015

# (54) Title of the invention: PERSONAL CARE COMPOSITIONS CONTAINING END FUNCTIONALIZED IONIC SILICONE

(51) International classification	:A61Q19/00,A61Q1/04,A61Q5/06	(71)Name of Applicant:
(31) Priority Document No	:61/582,914	1)MOMENTIVE PERFORMANCE MATERIALS INC.
(32) Priority Date	:04/01/2012	Address of Applicant :22 Corporate Woods Boulevard 4th
(33) Name of priority country	:U.S.A.	Floor Albany NY 12211 U.S.A.
(86) International Application No Filing Date	:PCT/US2013/020122 :03/01/2013	(72)Name of Inventor: 1)SARKAR Alok 2)SAXENA Anubhav
(87) International Publication No	:WO 2013/103701	3)TIWARI Sandip 4)FALK Benjamin
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

A personal care composition contains at least one personal care component and at least one end functionalized ionic silicone.

No. of Pages: 55 No. of Claims: 17

(22) Date of filing of Application :18/10/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: VIBRATION TYPE MEASUREMENT TRANSDUCER AND A 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G01F 1/84 :10 2011 006 971.2 :07/04/2011 :Germany :PCT/EP2012/056102 :03/04/2012 :WO 2012/136671 :NA :NA	(71)Name of Applicant:  1)Endress+Hauser Flowtec AG Address of Applicant: Kgenstr. 7 4153 Reinach Germany (72)Name of Inventor:  1)RIEDER Alfred 2)DRAHM Wolfgang 3)WIESMANN Michael 4)HUBER Christof 5)ANKLIN Martin
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#### (57) Abstract:

The invention relates to a measurement transducer used to generate vibration signals which correspond to parameters of a flowing medium such as a mass flow rate density and/or viscosity said measurement transducer comprising a measurement transducer housing that has a housing end (100+) and a housing end (100) as well as a pipe arrangement which is formed by at least two pipes (11 12) and extends inside the measurement transducer housing from its housing end (100+) to its housing end (100). Of the two pipes at least pipe (11) is designed as a measurement pipe for conducting a flowing medium and pipe (12) is mechanically connected to pipe (11) by means of a coupler element (25) with an inlet side coupling zone (11+12+) thus being formed and by means of a coupler element (26) with an outlet side coupling zone (11-12) thus being formed. Coupler element (25) is positioned the same distance away from housing end (100+) as coupler element (26) is from housing end (100). In addition coupler element (25) has a flexural rigidity about an imaginary longitudinal axis (K) of the pipe arrangement which axis imaginarily intersects both coupler element (25) and coupler element (26) at the same angle of intersection said flexural rigidity of coupler element (25) deviating from a flexural rigidity of coupler element (26) about the specific imaginary longitudinal axis (K) of the pipe arrangement.

No. of Pages: 54 No. of Claims: 25

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2152/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :25/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A COMPARTMETALIZED SINK

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A47K 1/12 :NA :NA	(71)Name of Applicant: 1)PAREKH CHIRAG Address of Applicant: ASHWANILA, DEVI BHUVAN VICTORIA PARK ROAD, BHAVNAGAR-364002, GUJARAT,
(33) Name of priority country	:NA	INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PAREKH CHIRAG
(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 compartmentalized sink that considerably reduces consumption of, water provides compartmentalization of available space in the sink to enable use of required space alone. At least one pair of opposing recesses is provided each at predetermined locations along the inner side of opposing lateral walls of the sink. A divider is detachably engaged in at least one of the recess pairs to sealingly divide the sink into pre-determined compartments. The divider in each recess may be of different heights and the location of the recess pairs is predetermined, thus providing a flexible solution for compartmentalization of the space in the sink. The divider can be steel, wood, composite material, plastic, glass or ceramic sheet material.

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

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2382/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : DETERMINING REMAINING USEFUL LIFE OF ROTATING MACHINERY INCLUDING DRIVE TRAINS GEARBOXES AND GENERATORS

<ul> <li>(51) International classification</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>	:G05B23/02,F03D1/00 :1108476.1 :20/05/2011 :GB :PCT/GB2012/051153 :21/05/2012 :WO 2012/160370 :NA :NA :NA	(71)Name of Applicant:  1)ROMAX TECHNOLOGY LIMITED  Address of Applicant:Rutherford House Nottingham Science and Technology Park Nottingham Nottinghamshire NG7 2PZ  U.K.  (72)Name of Inventor:  1)POON Andy  2)MA Xiaoqin  3)COULTATE John Karl  4)GOLYSHEVA Evgenia
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### (57) Abstract:

A method for predicting remaining useful life of a wind or water turbine or component determines in step (116) an EOH for the turbine or component and compares this in step (118) to an EOH limit obtained in step (114). This provides a simple approach to estimating remaining useful life giving the turbine operator an indication of the condition of turbines or farms under management.

No. of Pages: 34 No. of Claims: 43

(22) Date of filing of Application :03/01/2014 (43) Publication Date : 12/06/2015

:NA

## (54) Title of the invention: PROCESS FOR TREATING A HETEROJUNCTION PHOTOVOLTAIC CELL

(51) International classification :H01L31/20,H01L31/0747 (71)Name of Applicant : (31) Priority Document No 1)COMMISSARIAT A LENERGIE ATOMIQUE ET AUX :1155716 (32) Priority Date :27/06/2011 ENERGIES ALTERNATIVES (33) Name of priority country :France Address of Applicant :25 rue Leblanc Btiment « Le Ponant D » F 75015 Paris France (86) International Application No :PCT/IB2012/053204 (72) Name of Inventor: Filing Date :25/06/2012 (87) International Publication No :WO 2013/001440 1)HARRISON Samuel 2)RIBEYRON Pierre Jean (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number: NA

## (57) Abstract:

Filing Date

The invention provides a process for treating an n type photovoltaic cell free from all but trace amounts of boron atoms said process comprising the following steps: providing an n type heterojunction photovoltaic cell (10) comprising a central crystalline silicon layer (1) on and under which two passivation layers (2 3) made of hydrogenated amorphous silicon are deposited; heating this cell to a temperature between 20C and 200C for example on a hot plate (20) or in an oven (40) while illuminating the photovoltaic cell with a light flux from a light source (30). The efficiency of the photovoltaic cell is thus improved and stabilized.

No. of Pages: 13 No. of Claims: 8

(12) PATENT APPLICATION PUBLICATION

(21) Application No.17/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/01/2014 (43) Publication Date : 12/06/2015

:NA

:NA

# (54) Title of the invention: COACERVATE COMPLEXES METHODS AND FOOD PRODUCTS

(51) International classification: A23L1/30,A23L1/302,A23L1/303 (71) Name of Applicant: (31) Priority Document No 1)PEPSICO INC. :13/175451 (32) Priority Date :01/07/2011 Address of Applicant: 700 Anderson Hill Road Purchase NY (33) Name of priority country :U.S.A. 10577 U.S.A. (86) International Application (72) Name of Inventor: :PCT/US2012/043220 1)ZHANG Naijie :20/06/2012 Filing Date 2)MUTILANGI William (87) International Publication :WO 2013/006269 (61) Patent of Addition to :NA **Application Number** :NA Filing Date

## (57) Abstract:

Filing Date

Number

(62) Divisional to Application

Complex coacervates incorporating one or more hydrophobic substances are provided that are stable in certain aqueous systems and food products. The coacervates may be used as an ingredient in food products. e.g. in beverages dry foods and semi moist foods. Methods for producing the complex coacervates and food products are also disclosed herein.

No. of Pages: 45 No. of Claims: 50

(22) Date of filing of Application :24/09/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: NEW PLANT ESSENTIAL OIL NEBULIZER

<ul> <li>(51) International classification</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>	:20/06/2013 :WO 2014/186996 :NA :NA	(71)Name of Applicant:  1)SHENZHEN BOGE TECHNOLOGY CO. LTD Address of Applicant: 2/E 6 BuildingShasan Chuang Ye Industrial Park Shajing Town Baoan District Shenzhen Guangdong 518000 China (72)Name of Inventor: 1)ZHENG Junxiang 2)ZHANG Xianhui
	:NA :NA :NA	

## (57) Abstract:

A new plant essential oil nebulizer comprises a nebulizer body (1) a nebulizing plug (2) disposed on the nebulizer body (1) and a pair of electrode posts (3) mounted in the nebulizing plug (2). Two holes (4) are disposed on the electrode posts (3). Upper parts of the electrode posts (3) are provided with a heating wire (5) connected to the holes (4) by using rivets (4). The electrode posts (3) are directly riveted with the heating wire (5) so that a middle lead and riveting copper posts are saved; and two electrodes of the nebulizer are formed in the electrode posts in the nebulizing plug (2) so that the structure and the production process are simple the production efficiency is high and the production cost is low.

No. of Pages: 8 No. of Claims: 3

(22) Date of filing of Application :14/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: NOVEL MARKING NUT CRACKING MACHINE

(51) International classification	:A23N5/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SWAMI VIVEKANAND SAMAJ PRABODHAN BAHU
(32) Priority Date	:NA	UDDESHIYA SAMSTHA
(33) Name of priority country	:NA	Address of Applicant :C/O. DURGESH JAYASWAL,
(86) International Application No	:NA	SARAFA BAZAR, A&P. SILLOD, TAL. SILLOD
Filing Date	:NA	AURANGABAD 431 112 (INDIA) Maharashtra India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)MILIND MADHUSUDAN JOSHI
Filing Date	:NA	2)TRIMBAK NARAYAN LIMAYE
(62) Divisional to Application Number	:NA	3)SAKHARAM SADGURU AJGAONKAR
Filing Date	:NA	

### (57) Abstract:

The present invention provides a novel dehulling machine for marking nuts. The said machine is peddle operated which comprises a machine table with a top, placed on the said top a hammer tool assembly and below the top a paddle mounting bracket for and a safety cover covering the hammer tool assembly. The hammer too! assembly comprises a hammer held on horizontal hammer holder is held on a pair of bushings for vertical motion of the hammer and supported on the pair of bushings with pair of springs (8). The holder base is placed coaxially below the hammer but having an adjustable gap equal to 2 times the height of the marking nut. The marking nut holder has a notch to hold the said marking nut in vertical position. The machine can safely dehull the marking nut without spurting the corrosive contents to obtain the seeds without breaking.

No. of Pages: 11 No. of Claims: 4

(22) Date of filing of Application :29/10/2012 (43) Publication Date : 12/06/2015

## (54) Title of the invention: COMPOSITION FOR DIETARY HEALTH MANANGEMENT

(51) International classification	:A23L1/308, A23L1/29, A23L1/30	(71)Name of Applicant : 1)Hindustan Unilevery Limited
(31) Priority Document No	:EP10164261	Address of Applicant :Hindustan Unilever Limited Unilever
(32) Priority Date	:25/05/2011	House B.D. Sawant Marg Chakala Andheri (East) Mumbai 400
(33) Name of priority country	:EPO	099 Maharashtra India
(86) International Application No	:PCT/EP2011/058537	(72)Name of Inventor:
Filing Date	:25/05/2011	1)BERRY Mark John
(87) International Publication No	:WO/2011/147862	2)BLIGH Heather Frances Jennifer
(61) Patent of Addition to Application	:NA	3)CASEY John
Number	:NA	4)HUNTER Karl John
Filing Date	.IVA	5)KEMPERMAN Rober Antoine
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This invention relates to a plurality of compositions for dietary health management and its use in the prevention or treatment of any one of the disease states in the group consisting of cardiovascular disease, inflammation and diarrhoea. Human evolution has been a very slow process in contrast to the relatively recent, rapid changes in our diet since the Neolithic revolution which marked the switch from hunter-gatherer to agricultural life-style around 10,000 years ago. Moreover our genome has not had time to evolve at the same pace and therefore it is postulated that our bodies will work more efficiently with an ancestral diet. In a first aspect of the invention, a plurality of compositions for the dietary health management system of a human being is provided, wherein the plurality of compositions comprise a daily diet of: (g) 1750 to 2750 kilocalories (7350 to 11550 kiloJoules); (h) have more than 1250, preferably more than 1450, more preferably more than 1650 mg gallic acid equivalents of polyphenols; (i) have more than 40, preferably more than 50, more preferably more than 60 g fibre; (j) have more than 130, preferably more than 150, more preferably more than 170 g protein (k) have 0 to 2, preferably 0 to 1.5, most preferably 0 to 1 g starch; and (I) have 0 to 5, preferably 0 to 2.5, most preferably 0 to 1 g lactose.

No. of Pages: 41 No. of Claims: 18

(22) Date of filing of Application :02/07/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: SYSTEMS AND METHODS FOR PROCESS DESIGNING BY ALIGNING WITH OBJECTIVES

<ul> <li>(51) International classification</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>	:13/903,078 :28/05/2013 :U.S.A. :NA :NA : NA : NA	· ·
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

Described herein are a system (102) and a method for designing processes in alignment with the business objectives. The system (102) includes an objective formulation module (108) defines a number of business objectives based upon a pre-defined criterion. A process mapping module (110) associates the business objectives to the processes in the organization. The process mapping module (110) maps the processes with the defined business objectives, determines unmapped processes, obtains modified processes based upon gaps within the unmapped processes, and links the mapped and modified processes to a number of functions in the organization. Further, a display module (112) displays linkages of the mapped processes and the modified processes to the business objectives and the functions to enable a user in tracing the mapped processes and the modified processes to the defined business objectives and the functions.

No. of Pages: 33 No. of Claims: 15

(22) Date of filing of Application :02/07/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: IDENTIFYING QUALITY REQUIREMENTS OF A SOFTWARE 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 Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G06Q10/00, G06F9/44 :13/781,642 :28/02/2013 :U.S.A. :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)TATA CONSULTANCY SERVICES LIMITED Address of Applicant: Nirmal Building, 9th Floor, Nariman Point, Mumbai, Maharashtra 400021 (72)Name of Inventor: 1)PADMALATA, Nistala Venkata 2)PILLUTLA, Ravi Shankar 3)KRALETI, Vijay Lakshmi Srinivas 4)MANDALEEKA, Narayana Guru Prasada Lakshmi
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#### (57) Abstract:

A method(s) and system(s) of identifying quality requirements for a software product to be developed is disclosed. The method includes receiving input data from a user. The input data is indicative of objectives to be met by the software product being developed. The method further includes mapping the input data with a pre-defined product quality requirement model (PQRM) (100). The PQRM (100) is retrieved from a database (208) and includes a taxonomy tree configured to define a plurality of quality characteristics (QCs), a plurality of sub-QCs, a plurality of quality objectives (QOs), and a plurality of quality requirements (QRs) for the software product. Further, the method includes identifying at least one QR from the plurality of QRs applicable for the software product. The identification is based on the input data. The method also includes generating a product requirement report (PRR) for the software product based on the identification.

No. of Pages: 29 No. of Claims: 13

(22) Date of filing of Application :02/07/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: DISPERSED NOBLE METAL-CONTAINING CATALYST FOR HYDROCARBON CONVERSION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	B01J37/04 :NA	(71)Name of Applicant:  1)BHARAT PETROLEUM CORPORATION LTD  Address of Applicant: BHARAT PETROLEUM
(32) Priority Date	:NA	CORPORATION LTD. BHARAT BHAVAN, 4&6
(33) Name of priority country	:NA	CURRIMBHOY ROAD, BALLARD ESTATE, MUMBAI-
(86) International Application No	:NA	400074 Maharashtra India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)JOHN, Mathew
(61) Patent of Addition to Application Number	:NA	2)NIWATE, Yogesh Suresh
Filing Date	:NA	3)KUMAR, S A Kishore
(62) Divisional to Application Number	:NA	4)PAI, Shivanand Mukund
Filing Date	:NA	5)NEWALKAR, Bharat Lakshman

#### (57) Abstract:

A method for modification of pretreated acidic porous material via selective cation exchange using suitable solvent to obtain higher noble metal dispersion is described herein. The solvent system required for cation exchange should have its dielectric constant in the range of 25-45, wherein this solvent property is found to impart significant effect on cation loading and distribution, which in turn defines the stability, dispersion of the noble metals. The catalyst so obtained has higher noble metal dispersion and when used for hydroisomerization reaction, leads to higher selectivity even at significantly high conversion values.

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

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

(43) Publication Date : 12/06/2015

# (54) Title of the invention: METHODS AND APPARATUS FOR NOISE ESTIMATION OF COMMUNICATION TERMINALS

(86) International Application No Filing Date  (87) International Publication No (61) Patent of Addition to Application Number Filing Date  (62) Divisional to Application Number Filing Date  (86) International Application No Signary Shanghai Filing Date  (19/12/2012 Signary Shanghai Filing Date  (19/12/2012 Signary Shanghai Signary Signary Shanghai Signary Signary Shanghai Signary Signary Shanghai Signary Signary Signary Shanghai Signary Signary Signary Signary Shanghai Signary Signa	lding No.1 i 201203 China
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### (57) Abstract:

Methods and communication terminals for estimating noise in a multicarrier communication system where multicarrier symbols are received that include pilot signals channel properties are estimated based on the received multicarrier symbols wherein the channel properties include channel properties of a subcarrier carrying one of the pilot signals and the channel properties of the subcarrier carrying one of the pilot signals are mixed with the corresponding pilot signal to calculate a noise power for the corresponding subcarrier.

No. of Pages: 52 No. of Claims: 46

(21) Application No.2170/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :26/06/2013

(43) Publication Date: 12/06/2015

# (54) Title of the invention : GENERATOR MANAGEMENT SYSTEM THAT SELECTIVELY CUTS OFF FUEL TO A GENERATOR TO ADD A LOAD TO A BUS

,	H02J3/00,	(71)Name of Applicant :
(51) International classification	H02J3/00,	1)Kohler Co.
(31) Priority Document No	13/540,146	Address of Applicant :444 Highland Drive, Kohler, WI 53044
(32) Priority Date :	02/07/2012	U.S.A.
(33) Name of priority country :1	U.S.A.	(72)Name of Inventor:
(86) International Application No :1	NA	1)Isaac S. Frampton
Filing Date :1	NA	2)Richard A. MAUK,
(87) International Publication No :	NA	3)Douglas W. Dorn
(61) Patent of Addition to Application Number :1	NA	
Filing Date :1	NA	
(62) Divisional to Application Number :1	NA	
Filing Date	NA	

#### (57) Abstract:

Some embodiments relate to an example generator management system. The generator management system includes a first generator having a first set of power leads and a second generator having a second set of power leads. The generator management system further includes a bus that connects the first output and the second output. A controller selectively cuts off fuel to the second generator to add a load to the bus. It should be noted that embodiments are contemplated where the generator management system alternatively cuts off fuel to the first generator to add a load to the bus.

No. of Pages: 20 No. of Claims: 16

(22) Date of filing of Application :20/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A PROCESS FOR THE PREPARATION OF MORPHOLINO SULFONYL INDOLE DERIVATIVES

(51) International classification	:C07D413/14,C07D413/12	(71)Name of Applicant:
(31) Priority Document No	:61/477937	1)PIRAMAL ENTERPRISES LIMITED
(32) Priority Date	:21/04/2011	Address of Applicant :Piramal Tower Ganpatrao Kadam Marg
(33) Name of priority country	:U.S.A.	Lower Parel Mumbai 400 013 India. Maharashtra India
(86) International Application No	:PCT/IB2012/051958	(72)Name of Inventor:
Filing Date	:19/04/2012	1)MASCARENHAS Malcolm
(87) International Publication No	:WO 2012/143874	2)PATIL Shashikant
(61) Patent of Addition to Application	:NA	3)JANRAO Ravindra Ashok
Number		4)ROYCHOWDHURY Abhijit
Filing Date	:NA	·
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to a process for the preparation of the compounds of formula (I) which are morpholino sulphonyl indole derivatives. The compounds of formula (I) are capable of inhibiting modulating or regulating Insulin Like Growth Factor I Receptors or Insulin Receptors. The present invention also relates to the processes for preparation of the pharmaceutically acceptable salts of the compounds of formula (I).

No. of Pages: 60 No. of Claims: 7

(22) Date of filing of Application :18/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: CATHODE ELECTRODE MATERIAL

(51) International classification	:H01M8/12, H01M4/86	(71)Name of Applicant: 1)ACAL ENERGY LIMITED
(31) Priority Document No	:1110585.5	Address of Applicant :THE HEALTH BUSINESS AND
(32) Priority Date	:22/06/2011	TECHNOLOGY PARK, RUNCORN, CHESHIRE WA7 4QX,
(33) Name of priority country	:GB	GREAT BRITAIN. GB
(86) International Application No	:PCT/GB2012/051474	(72)Name of Inventor:
Filing Date	:22/06/2012	1)CREETH, ANDY
(87) International Publication No	:WO/2012/175997	2)BAYNES, NICK
(61) Patent of Addition to Application	:NA	3)POTTER, ANDY
Number	:NA	4)DAWSON, CRAIG,P.
Filing Date	.11/1	5)DOWNS, CLARE, LOUISE
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

There is provided a fuel cell cathode electrode, comprising a porous skeletal medium, the surface of which medium is modified or otherwise arranged or constructed to induce enhanced activated behaviour, wherein the enhanced activated behaviour is induced by means of increasing the surface area for a given volume of the electrode and/or by increasing the number and/or availability of reactive sites on the electrode. A fuel cell having such a cathode electrode, a method of manufacturing such a cathode electrode, and use of such a cathode electrode in a fuel cell is also disclosed.

No. of Pages: 65 No. of Claims: 126

(21) Application No.2534/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :01/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : AN INSTRUMENT FOR POSTPARTUM INSERTION OF INTRA-UTERINE DEVICE AND PROCESS THEREOF

	:A61B1/303,	(71)Name of Applicant:
(51) International classification	A61B19/04,	1)M/S PREGNA INTERNATIONAL LIMITED
	A61B17/44	Address of Applicant :13, SURYODAY ESTATE, 136
(31) Priority Document No	:NA	TARDEO ROAD, MUMBAI - 400034, MAHARASHTRA,
(32) Priority Date	:NA	INDIA
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)MR. RAMESH TAPARIA
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) A1. (		1

## (57) Abstract:

An instrument for postpartum insertion of intra-uterine device (IUD) which is such dimensioned and is flexible, as suited to post partum uterus and can safely carry the IUD till fundus and in correct orientation. The IUD is placed near fundus by constraining it externally. With this instrument, the process is carried out soon after delivery and thus is convenient for women not expected to return to hospital for intra-uterine contraception implantation.

No. of Pages: 26 No. of Claims: 14

(22) Date of filing of Application :01/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PROCESS FOR PREPARING DIFLUPREDNATE.

(51) International classification	:C07J5/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)AJANTA PHARMA LTD.
(32) Priority Date	:NA	Address of Applicant : AJANTA PHARMA LIMITED, 98,
(33) Name of priority country	:NA	AJANTA HOUSE, CHARKOP, KANDIVALI (W) MUMBAI -
(86) International Application No	:NA	400067, STATE OF MAHARASHTRA, INDIA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SINGH SHAILESH
(61) Patent of Addition to Application Number	:NA	2)SUTHAR BHARAT
Filing Date	:NA	3)JAIN ASHISH
(62) Divisional to Application Number	:NA	4)GAIKWAD VINOD
Filing Date	:NA	5)KULKARNI KULDIP

# (57) Abstract:

The present invention relates to an improved, commercially viable and industrially advantageous process for the preparation of difluprednate in higher yield and purity.

No. of Pages: 14 No. of Claims: 10

(21) Application No.2183/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : METHOD FOR MEASUREMENT OF TURNING ANGLE BY DIFFERENTIAL WHEEL SPEED BASED BEND LIGHTING

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	1/34, G01B	(71)Name of Applicant:  1)MAHINDRA & MAHINDRA LIMITED  Address of Applicant: R&D CENTER, AUTO SECTOR, 89,  M.I.D.C., SATPUR, NASHIK - 422007 MAHARASHTRA, INDIA
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)HEMANT SINGH
(86) International Application No Filing Date	:NA :NA	2)S. MANOJ KUMAR 3)PONNUSAMY VINOTH
(87) International Publication No	: NA	4)V K KARTHIKEYAN
(61) Patent of Addition to Application Number	:NA	5)ARAVAPALLI SRINIVAS
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Disclosed is a system for differential wheel speed based bend lighting for a vehicle. The system comprises a plurality of wheel speed sensors, an anti-lock braking system, a plurality of tyre pressure sensors, a body control module and a pair of bend lamps. The system utilizes a differential speed of front two wheels to calculate a turning angle of the vehicle without using a steering angle sensor. The turning angle is calculated more accurately as the system is independent of the steering angle, ratio of steering angle, steering shaft and other related gears.

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

(22) Date of filing of Application :01/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SEMICONDUCTOR DEVICE DRIVING UNIT

(51) International classification	:H03K17/14, H03K17/16, H03K3/00	(71)Name of Applicant:  1)CONTROL TECHNIQUES LTD  Address of Applicant: THE GRO, POOL ROAD,
(31) Priority Document No	:GB 1216743.3	NEWTOWN, POWYS, SY16 3BE, UNITED KINGDOM (72)Name of Inventor:
(32) Priority Date	:19/09/2012	1)GIBSON RICHARD SAMUEL
(33) Name of priority country	:U.K.	2)WAIN RICHARD MARK
(86) International Application No	:NA	3)COTTELL ROBERT ANTHONY
Filing Date	:NA	4)WILLIAMS ROBERT GWYA
(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) A1		•

### (57) Abstract:

A semiconductor device driving unit to supply a drive signal to a gate of a semiconductor switching device, the semiconductor device driving unit comprising: a plurality of gate impedance circuits selectably connectable to the gate of the semiconductor switching device; and a selector to select one or more of the gate impedance circuits to connect to the semiconductor switching device. Also provided is a method of supplying a drive signal to a gate of a semiconductor switching device, the method comprising: selecting one or more of a plurality of gate impedance circuits to be connected to the gate of the semiconductor switching device based on one or more operating conditions and stored data relating to the one or more operating conditions; and connecting the selected one or more of the gate impedance circuits to the semiconductor switching device.

No. of Pages: 20 No. of Claims: 14

(21) Application No.2541/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :01/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: ORIENTATION BASED SPEAKER OPERATION IN MOBILE PHONE DURING ONGOING CALL.

(51) International classification	·H04W88/02	(71)Name of Applicant:
(31) Priority Document No	:NA	1)PATEL NIKUL VINODBHAI
(32) Priority Date	:NA	Address of Applicant :58/A, SWI PARK,
(33) Name of priority country	:NA	SWATANTRAPLOTS, MADHUWRUND, GHATLODIA,
(86) International Application No	:NA	AHMEDABAD - 380061, GUJARAT STATE, INDIA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PATEL NIKUL VINODBHAI
(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 removes the necessity of pressing the buttons to activate or deactivate the loudspeaker in the mobile phone for moving from handset mode to hands free mode and vice versa, during an ongoing call. The accelerometer in the mobile phone senses the angle at which the mobile phone is held, called the angle of orientation, on one or more axis; the computing system receives this information and processes this information and takes a decision whether to switch on the loudspeaker or to switch it off or to leave the situation unaltered. And then the computing system takes the action accordingly. Hence the user can activate or deactivate the mobile phone by rotating the mobile phone by some angles on a given axis. Similarly, the loudness of the speaker or the loudspeaker can also be controlled.

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

(22) Date of filing of Application :01/08/2013

(43) Publication Date: 12/06/2015

# (54) Title of the invention : CONNECTOR FOR SELECTIVELY COUPLING AN ELECTRICAL LOAD TO A DEVICE UNDER TEST

<ul> <li>(51) International classification</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>	G01R1/04 :13/662,317	(71)Name of Applicant: 1)TEKTRONIX, INC. Address of Applicant:14150 SW KARL BRAUN DRIVE, P.O. BOX 500 M/S 50-LAW, BEAVERTON, OR 97077-00001, US U.S.A. (72)Name of Inventor: 1)KARL A. RINDER 2)NEIL C. CLAYTON 3)RICHARD A. BOOMAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A connector has a housing with an aperture formed therein having one portion larger than the other portion. The housing is mounted on the device under test with the housing positioned over a plurality of electrical contacts. An electrical load is positioned within the larger aperture of the housing and has a plurality of resistors disposed adjacent to an electrical contact assembly. A resilient member is positioned between the electrical load and the device under test such that a force directed on the electrical load compresses the resilient member to allow contact between a plurality of electrical contacts of the electrical contact assembly and the plurality of the electrical contacts on the device under test. Removing the force decompresses the resilient member and disconnects the plurality of contacts of the electrical contact assembly from the plurality of electrical contacts of the device under test.

No. of Pages: 35 No. of Claims: 20

(12) PATENT APPLICATION PUBLICATION

(21) Application No.2414/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/12/2013

(43) Publication Date: 12/06/2015

# (54) Title of the invention: BENZOTHIAZINETHIONE DERIVATIVES AND THEIR PREPARATIVE METHODS AND USES

(51) International :C07D279/08,C07D417/12,C07D417/04 classification

:201110139840.2

(31) Priority Document

(32) Priority Date

:27/05/2011 (33) Name of priority :China

country

(86) International

:PCT/CN2011/075750 Application No :15/06/2011

Filing Date (87) International

:WO 2012/162912 Publication No

:NA

(61) Patent of Addition to :NA **Application Number** 

:NA Filing Date (62) Divisional to :NA

**Application Number** Filing Date

(71)Name of Applicant: 1)SICHUAN UNIVERSITY

Address of Applicant :No. 24 South Section 1 First Ring Road

Wuhou District Chengdu Sichuan 610065 China

(72)Name of Inventor:

1)YU Luoting

2)WEI Yuquan

## (57) Abstract:

Benzothiazinethione derivatives of formula (I) their preparative methods and uses are provided. Benzothiazinethione derivatives of the invention have significant effect of inhibiting Mycobacterium tuberculosis.

No. of Pages: 33 No. of Claims: 26

(22) Date of filing of Application :23/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: FUSION CAGE IMPLANT WITH LATTICE STRUCTURE

(51) International classification	:A61F 2/44,A61B 17/70	(71)Name of Applicant: 1)RHAUSLER INC.
(31) Priority Document No	:13/649608	Address of Applicant :837 Industrial Road Unit E San Carlos
(32) Priority Date	:11/10/2012	California 94070 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2013/064212	1)GEISLER Fred
Filing Date	:10/10/2013	2)JOHNSTON Terry
(87) International Publication No	:WO 2014/059070	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Various exemplary embodiments relate to a spinal implant for insertion between two vertebrae including one or more of the following: a cage comprising: a frame including a fastener hole a lattice structure disposed within the frame and exposed on a top and bottom face of the frame to permit bone growth into the lattice structure and an inner rim disposed between the lattice structure and a through bore extending through the cage; a bone plate comprising a through hole and a first and a second screw hole wherein the first and second screw hole are positioned to overlie the vertebrae when the bone plate is attached to the cage and the cage is inserted between the two vertebrae; and a fastener operable to attach the bone plate to the cage when the fastener is inserted through the through hole of the bone plate and into the fastener hole of the frame.

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

(22) Date of filing of Application :23/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PACKET SWITCHED NETWORK RETURN

(51) International classification	:H04W 36/14	(71)Name of Applicant:
(31) Priority Document No	:201210587827.8	1)SPREADTRUM COMMUNICATIONS(SHANGHAI)
(32) Priority Date	:28/12/2012	CO. LTD.
(33) Name of priority country	:China	Address of Applicant :Spreadtrum Center Building No.1
(86) International Application No	:PCT/CN2013/071839	Lane2288 Zuchongzhi Road Zhangjiang Shanghai 201203 China
Filing Date	:25/02/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/101345	1)HAN Wei
(61) Patent of Addition to Application	:NA	2)QIAN Minqian
Number		3)GAO Xichun
Filing Date	:NA	4)WEI Xia
(62) Divisional to Application Number	:NA	5)SHI Yanshan
Filing Date	:NA	6)CHEN Xianliang

### (57) Abstract:

Systems and methods for generating a Long Term Evolution network return procedure. A mobile terminal may generate in absence of redirection instruction from a circuit switched network a Long Term Evolution network return procedure that when instantiated by the mobile terminal implements connection of the mobile terminal to a Long Term Evolution network based on measured signal strength of at least one Long Term Evolution network access point.

No. of Pages: 36 No. of Claims: 20

(22) Date of filing of Application :01/08/2013

(43) Publication Date: 12/06/2015

# (54) Title of the invention : A METHOD OF OPERATING A TANDEM REFRIGERATION SYSTEM AND CONTROLLING SYSTEM THEREOF

(51) International classification	:F25D11/02, F25B5/04, F25D17/06, F25D2	(71)Name of Applicant:  1)BLUE STAR LIMITED  Address of Applicant: Kasturi Buildings, Mohan T. Advani Chowk, Jamshetji Tata Road, Mumbai 400 020, Maharashtra,
(31) Priority Document No	:NA	India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)Sandeep D. Pasarkar
(86) International Application No	:NA	2)Sheetal M. Kulkarni
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:

This present invention claimed in this application is related to a chiller refrigerant system having tandem compressors. Accordingly, it provides a method of operating a tandem refrigeration system having two or more compressors for compressing a refrigerant, and delivering the refrigerant throughout the refrigerant system to at least one condenser, an expansion device and at least one evaporator and a controlling system thereof that provides best possible cooling when there is fault in the system particularly in one of the compressors.

No. of Pages: 19 No. of Claims: 10

(22) Date of filing of Application :02/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SLICING OF SILICON WAFERS USING WIRE ELECTRIC DISCHARGE MACHINE.

		(71)Name of Applicant:
(51) International classification	B23H5/06,	1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY
	B23H5/00	Address of Applicant :INDIAN INSTITUTE OF
(31) Priority Document No	:NA	TECHNOLOGY BOMBAY, POWAI, MUMBAI-400076.
(32) Priority Date	:NA	Maharashtra India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)PROF. S.S. JOSHI
Filing Date	:NA	2)PROF. RAMESH KUMAR SINGH
(87) International Publication No	: NA	3)DONGRE GANESH GOVARDHAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An electrical discharge machining apparatus and a process for slicing one or more slices from a block of silicon are disclosed. The apparatus comprises a platform for mounting the block of silicon and a molybdenum wire having a diameter range between  $39\mu$  and  $101\mu$ . When the apparatus is used, either the silicon block and/or the wire is moved towards one another for slicing. The power supply for the apparatus is a MOSFET type generator. The process of slicing one or more slices from the block of silicon comprises mounting the block of silicon with reference to the apparatus, coupling the molybdenum wire having a diameter range between  $39\mu$  and  $101\mu$  and slicing one or more slices from the block of silicon by electrical discharge between the molybdenum wire and the block of silicon.

No. of Pages: 26 No. of Claims: 21

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: RISKS FOR WAITING FOR WELL-MATCHED

(51) International classification	:H02J 5/00	(71)Name of Applicant:
(31) Priority Document No	:13/623,255	1)AVAYA INC
(32) Priority Date	:20/09/2012	Address of Applicant :211, MOUNT AIRY ROAD BASKING
(33) Name of priority country	:U.S.A.	RIDGE NEW JERSEY 07920 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KOHLER, JOYLEE
(87) International Publication No	: NA	2)STEINER, ROBERT C.
(61) Patent of Addition to Application Number	:NA	3)FLOCKHART, ANDREW D.
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A contact center is described along with various methods and mechanisms for administering the same. The contact center proposed herein provides the ability to, among other things, support deferring work assignment decisions, while simultaneously assessing the risks associated with such a deferred decision. The intelligent deferment of work assignment decisions helps to achieve better matching without losing the opportunity to timely assign work to an agent.

No. of Pages: 30 No. of Claims: 10

(12) PATENT APPLICATION PUBLICATION

(21) Application No.22/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/01/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : ANIMAL SUPPLEMENTS AND COMPOSITIONS CONTAINING SOLUBLE MONENSIN AND METHODS THEREFOR

(51) International classification :A23K1/16,A23K1/17,A23K1/175 (71)Name of Applicant : (31) Priority Document No 1)ELI LILLY AND COMPANY :61/515445 (32) Priority Date :05/08/2011 Address of Applicant :Lilly Corporate Center Indianapolis (33) Name of priority country Indiana 46285 U.S.A. :U.S.A. (86) International Application (72) Name of Inventor: :PCT/US2012/048303 1)GAWLAK Jon Thomas :26/07/2012 Filing Date 2)LUBETKIN Steven Duff (87) International Publication :WO 2013/022608 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 disclosure provides animal feed supplements comprising a therapeutically effective amount of monensin and a solvent wherein the supplement is a solution. The disclosure also provides food compositions comprising a therapeutically effective amount of monensin a solvent and an animal feed methods of administering the food compositions and processes for making the food compositions.

No. of Pages: 30 No. of Claims: 42

(22) Date of filing of Application :23/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: BONE PLATE AND FUSION CAGE INTERFACE

(51) International classification	:A61F 2/44,A61B 17/70	(71)Name of Applicant: 1)RHAUSLER INC.
(31) Priority Document No	:13/649545	Address of Applicant :837 Industrial Road Unit E San Carlos
(32) Priority Date	:11/10/2012	California 94070 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2013/064216	1)GEISLER Fred
Filing Date	:10/10/2013	2)JOHNSTON Terry
(87) International Publication No	:WO 2014/059072	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Various exemplary embodiments relate to a spinal implant for insertion between two adjacent vertebrae the spinal implant including one or more of the following: a cage comprising: a frame sized to be inserted between the vertebrae the frame comprising a fastener hole and a cage alignment structure the cage alignment structure comprising at least one of: a cage groove and a cage ridge; a bone plate comprising a bone plate alignment structure a through hole wherein the bone plate alignment structure comprises at least one of a bone plate groove and a bone plate ridge and wherein the bone plate alignment structure and the cage alignment structure are configured to interact with each other to provide an indication when the bone plate is properly aligned with the cage; and a fastener to attach the bone plate to the cage when inserted through the through hole and into the fastener hole.

No. of Pages: 36 No. of Claims: 14

(22) Date of filing of Application :02/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A NON-AEROFOIL FAN BLADE, AND FANS WITH NON-AEROFOIL BLADES, THEREOF

(51) International classification	F01D5/28,	(71)Name of Applicant: 1)CROMPTON GREAVES LIMITED
	B64C11/26	rr ,
(31) Priority Document No	:NA	ANNIE BESANT ROAD, WORLI, MUMBAI 400 030,
(32) Priority Date	:NA	MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)KUSALE SARANG NAGESH
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 non-aerofoil fan blade being defined by at least a leading edge adapted to be coupled to a fan hub, at least a trailing edge adapted to be coupled to a fan hub, and at least a rounded tip adapted to mate said at least a leading edge with said at least a trailing edge, said rounded tip spaced apart from said fan hub, wherein: said leading edge, characterised by a first set of curvature profiles; said trailing edge, characterised by a second set of curvature profiles; at least a midsection curve; said fan blade comprising different sectional profiles at different radii, each of said different sectional profiles being characterized by a different curve index; and said fan blade comprising different sectional profiles at different radii, each of said different sectional profiles being characterized by a different thickness index.

No. of Pages: 30 No. of Claims: 36

(21) Application No.2193/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: INTEGRATED CONFERENCE FLOOR 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> </ul>	:H04N7/15 :13/628,842 :27/09/2012 :U.S.A. :NA :NA	· ·
<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>	: NA :NA :NA :NA :NA	

#### (57) Abstract:

Methods and systems for providing a composite conference environment are disclosed. More particularly, a virtual reality environment (VRE) that can accommodate the inclusion of a conventional multipoint conference as a registered user or individual participants in a conventional multipoint conference as registered users within a composite conference environment hosted by the VRE is provided. Accordingly, a conference that is spread across multiple servers, namely a virtual reality server and a conventional multipoint conference server, can be created and moderated. Moreover, audio/video streams, features, and control can be provided to all users participating in the composite conference environment.

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

(22) Date of filing of Application :02/08/2013 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: A FLUID FLOW CONDUIT

	:B21D26/037,	(71)Name of Applicant:
(51) International classification	B21C37/28,	1)DEERE & COMPANY
	F16L43/00	Address of Applicant :ONE JOHN DEERE PLACE,
(31) Priority Document No	:NA	MOLINE, ILLINOIS, 61265-8098, USA
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)LE DUONG M
(86) International Application No	:NA	2)GOEL LAXMI NARAYAN
Filing Date	:NA	3)MADINENI JAYADEV
(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 fluid flow conduit comprises an inlet portion, an intermediate transfer portion and an outlet portion, wherein said inlet portion and one end of the intermediate transfer portions are being integrally connected in such a way that, there is a gradual change in the cross-section of the conduit from the inlet to transfer portion and the other end of the transfer portion is integrally connected to the outlet portion with a gradual change in the cross section from the transfer portion to the outlet portion. The transfer portion has a first throat portion, a second throat portion and a transition portion connecting the first throat portion and the second throat portion. The topology or surface geometry of the first throat portion and the second throat portion is ovoidal with each of the portions having a broader end and a narrower end. Each of the throat portions is externally convex and internally concave so as to create a venruri effect on the fluid, thereby reducing the pressure drop across the conduit. The characteristic shape of the conduit helps in easy packaging of the duct under constrained locations.

No. of Pages: 17 No. of Claims: 10

(22) Date of filing of Application :02/08/2013

(43) Publication Date: 12/06/2015

# (54) Title of the invention: A CONTROLLER AND A METHOD OF CONTROL FOR A WATER HEATER

<ul> <li>(51) International classification</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>	:G05B19/18, G05B11/01,G01M1/38 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)EMERSON ELECTRIC CO. Address of Applicant:8000 WEST FLORISSANT AVENUE ST. LOUIS, MISSOURI 63136 USA (72)Name of Inventor: 1)KULKARNI AMOL 2)TAWARE SACHIN
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A water heater that is controlled by a plurality of offsets depending on at least one of predicted current usage of the water heater and preset user set point temperature results in energy saving without affecting users comfort and eliminates the need for any additional hardware. The average temperature of the water is lower than in the case where a single preset offset is adjusted, thereby resulting in energy saving.

No. of Pages: 22 No. of Claims: 7

(22) Date of filing of Application :02/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : AN INCINERATION METHOD AND APPARATUS FOR NON-FOULING TREATMENT OF SPENT WASH

	:C02F1/02,	(71)Name of Applicant :
(51) International classification	C02F1/02,	1)THERMAX LIMITED
	B01D53/62	Address of Applicant :D-13, MIDC INDUSTRIAL AREA, R-
(31) Priority Document No	:NA	D AGA ROAD, CHINCHWAD, PUNE-411019,
(32) Priority Date	:NA	MAHARASHTRA, INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)BAPAT DILIP WAMAN
Filing Date	:NA	2)KULKARNI SAMIR VASUDEO
(87) International Publication No	: NA	3)AUTADE PRASAD KISAN
(61) Patent of Addition to Application Number	:550/MUM/2006	
Filed on	:07/04/2006	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present disclosure teaches an incineration method and apparatus for non-fouling treatment of spent wash wherein primary air is injected in to a first chamber (12) while secondary air and tertiary air are injected into a second chamber (14). The primary air, the secondary air and the tertiary air are injected in predetermined proportion to substantially convert spent wash injected into the incineration apparatus into flue gases. The heat from the flue gases are progressively extracted in the second chamber (14), a third chamber (16) and a fourth chamber (18) using non-thermic fluid. This prevents agglomeration of the fluidized bed, slagging on walls and tubes associated with the second chamber (14), the third chamber (16) and the convection tubes within the fourth chamber (16), thereby preventing fouling of the incineration apparatus while ensuring efficient removal of ash from the flue gas.

No. of Pages: 40 No. of Claims: 22

(22) Date of filing of Application :11/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: AUTOMOBILE UREA TANK AND FORMING METHOD THEREOF

(51) International classification	:F01N 3/028	(71)Name of Applicant:
(31) Priority Document No	:201220429303.1	1)YAPP AUTOMOTIVE PARTS CO. LTD
(32) Priority Date	:28/08/2012	Address of Applicant :508th Yangzijiang South Road
(33) Name of priority country	:China	Yangzhou Jiangsu 225009 China
(86) International Application No	:PCT/CN2012/082253	(72)Name of Inventor:
Filing Date	:28/09/2012	1)SUN Yan
(87) International Publication No	:WO 2014/032356	2)JIANG Lin
(61) Patent of Addition to Application	:NA	3)LIU Liang
Number	:NA	4)ZHU Haiyang
Filing Date	.IVA	5)CHEN Xinhua
(62) Divisional to Application Number	:NA	6)XUE Qing
Filing Date	:NA	7)ZHENG Guangsong

#### (57) Abstract:

Disclosed are an automobile urea tank and a forming method thereof. The forming method comprises the following steps: firstly producing an upper half casing and a lower half casing (2 1) by means of injection moulding; assembling built in components of the upper and lower half casings (2 1) after the upper and lower half casings (2 1) are formed; integrally welding the assembled upper and lower half casings (2 1); and assembling components and parts on the surfaces of the upper and lower half casings (2 1). The method improves the degree of freedom in the design of the built in assemblies of a tank body saves raw materials has a simple structure and good firmness improves production efficiency and shortens the production period.

No. of Pages: 22 No. of Claims: 12

(22) Date of filing of Application :24/12/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: SERPIN FUSION POLYPEPTIDES 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:C07K16/46 :61/502055 :28/06/2011 :U.S.A. :PCT/US2012/044730 :28/06/2012 :WO 2013/003641 :NA :NA	(71)Name of Applicant: 1)INHIBRX LLC Address of Applicant:11099 N. Torrey Pines Road Suite 130 La Jolla CA 92037 U.S.A. (72)Name of Inventor: 1)ECKELMAN Brendan P. 2)TIMMER John C. 3)NGUY Peter L. 4)GUENTHER Grant B. 5)DEVERAUX Quinn
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

This invention relates to molecules particularly polypeptides more particularly fusion proteins that include a serpin polypeptide or an amino acid sequence that is derived from a serpin and second polypeptide comprising of at least one the following: an Fc polypeptide or an amino acid sequence that is derived from an Fc polypeptide; a cytokine targeting polypeptide or a sequence derived from a cytokine targeting polypeptide; a WAP domain containing polypeptide or a sequence derived from a WAP containing polypeptide; and an albumin polypeptide or an amino acid sequence that is derived from a serum albumin polypeptide. This invention also relates to methods of using such molecules in a variety of therapeutic and diagnostic indications as well as methods of producing such molecules.

No. of Pages: 70 No. of Claims: 53

(22) Date of filing of Application :24/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: WAP DOMAIN FUSION POLYPEPTIDES AND METHODS OF USE THEREOF

(31) Priority Document No :6 (32) Priority Date :2 (33) Name of priority country :U (86) International Application No :P Filing Date :2	A)NGUY Peter L. 5)CHAN Henry 6)DEVERAUX Quinn	Pines Road Suite 130
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#### (57) Abstract:

This invention relates to fusion proteins that include a whey acidic protein (WAP) domain containing polypeptide and a second polypeptide. Additionally the invention relates to fusion proteins that include a WAP domain containing polypeptide a second polypeptide and a third polypeptide. The second and/or third polypeptides of the fusion proteins of the invention are an Fc polypeptide; an albumin polypeptide; a cytokine targeting polypeptide; or a serpin polypeptide. This invention also relates to methods of using such molecules in a variety of therapeutic and diagnostic indications as well as methods of producing such molecules.

No. of Pages: 67 No. of Claims: 44

(21) Application No.2443/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date: 12/06/2015

# (54) Title of the invention : PYRROLOQUINOLINYL PYRROLIDINE 2 5 DIONE FORMULATIONS AND METHODS FOR PREPARING AND USING SAME

(51) International classification :A61K31/437,A61K31/40,A61K31/404

(31) Priority Document No :61/505175

(32) Priority Date :07/07/2011 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2012/045688

Filing Date :06/07/2012

(87) International

Publication No :WO 2013/006761

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to
Application Number
Filing Date
:NA
:NA
:NA

(71)Name of Applicant: 1)AROULE INC.

Address of Applicant :19 Presidential Way Woburn MA

01801 U.S.A..

(72)Name of Inventor :1)YAMAKOSE Hiroshi2)KATO Takafumi

#### (57) Abstract:

The present invention provides pyrroloquinolinyl pyrrole 2 5 dione formulations and methods of treating a cell proliferative disorder such as a cancer by administering to a subject in need thereof a therapeutically effective amount of the formulations containing pyrroloquinolinyl pyrrole 2 5 dione compounds.

No. of Pages: 68 No. of Claims: 29

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PHARMACEUTICAL COMPOSITIONS OF LEVODOPA AND CARBIDOPA

<ul><li>(51) International classification</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>	:A61K31/198, A61K31/195 :NA :NA :NA	(71)Name of Applicant:  1)CADILA HEALTHCARE LIMITED  Address of Applicant:SARKHEJ-BAVLA N.H.NO. 8A, MORAIYA, TAL. SANAND, DIST. AHMEDABAD-382210, GUJARAT, INDIA (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA : NA :NA :NA :NA :NA	1)KULKARNI SUSHRUT KRISHNAJI 2)MEHTA PAVAK RAJNIKANT 3)KOCHAR SAMEER SAGAR 4)PATEL KRISHNAKUMAR VINUBHAI

#### (57) Abstract:

The present invention relates to pharmaceutical compositions of levodopa and carbidopa. In particular, the invention relates to modified release pharmaceutical compositions of levodopa and carbidopa with at least one inorganic acidic excipient. The invention also relates to processes for the preparation of such compositions and use thereof for treatment of parkinsons disease.

No. of Pages: 26 No. of Claims: 10

(21) Application No.2317/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/12/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: TOUCH DETECTION METHOD AND DEVICE

(31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :PCT/ Filing Date :05/06	CO. LTD. Address of Applicant :Spreadtrum Center Building No.1 Lane 2288 Zuchongzhi Road Zhangjiang Shanghai 201203 China (72)Name of Inventor :  1)YU Huawei
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#### (57) Abstract:

The present invention provides a touch detection method and a device. The touch detection method comprises: obtaining coordinates of associated points of touch points; obtaining distance values between the touch points in the direction of a measurement axis; obtaining to be determined coordinates of the touch points based on the coordinates of the associated points and the distance values between the touch points in the direction of the measurement axis; determining actual coordinates of the touch points according to the to be determined coordinates. The touch detection device comprises: a unit for determining associated points applicable to obtain coordinates of associated points of touch points; a unit for determining a distance applicable to obtain distance values between the touch points in the direction of a measurement axis; a unit for determining to be determined coordinates applicable to determine to be determined coordinates of the touch points based on the coordinates of the associated points and the distance values between the touch points in the direction of the measurement axis; a unit for determining actual coordinates applicable to determine actual coordinates of the touch points according to the to be determined coordinates.

No. of Pages: 46 No. of Claims: 26

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: AN INDOOR POSITIONING SYSTEM

(51) International classification	:G01C21/20, H04W4/04,	(71)Name of Applicant : 1)TATA CONSULTANCY SERVICES LTD
	H04W64/00	Address of Applicant :Nirmal Building, 9th Floor, Nariman
(31) Priority Document No	:NA	Point, Mumbai 400021, Maharashtra, India.
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)GHOSE, AVIK
(86) International Application No	:NA	2)PAL, ARPAN
Filing Date	:NA	3)DUTTA CHOUDHURY, ANIRBAN
(87) International Publication No	: NA	4)CHANDEL, VIVEK
(61) Patent of Addition to Application Number	:NA	5)BHAUMIK, CHIRABRATA
Filing Date	:NA	6)CHATTOPADHYAY TANUSHYAM
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An indoor positioning system and method of localizing a person/object in an indoor environment by identifying the orientation and direction of a person/object to provide a true location of the person/object without navigation errors. The system comprises magnets disposed on a doorway to create a unique magnetic field; a wireless communication unit comprising a magnetometer sensor to sense perturbations in the magnetic field in the event that the person/object with the wireless communication unit passes through the doorway, and generate corresponding signals; a processor receiving the signals and extracting data signals from the same; and a backend server wirelessly communicating with the wireless communication unit, the backend server processing the data signals received from the wireless communication unit to identify the access means and the wireless communication unit to localize the person/object.

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

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: VEHICLE SUSPENSION SYSTEM WITH AXLE SKEWNESS 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 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>	:G01B5/255, G01B5/14 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MAHINDRA TRUCKS AND BUSES LIMITED Address of Applicant: MAHINDRA TOWERS, 3RD FLOOR, DR. G.M. BHOSALE MARG, WORLI, MUMBAI-400 018, MAHARASHTRA, INDIA (72)Name of Inventor: 1)MOHARIR, AMOL ANIL 2)KAPARE, NITIN KASHINATH
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#### (57) Abstract:

The invention relates to a vehicle suspension system with axle skewness adjustment. The said system comprises at least one axle (1) transversely located on the chassis frame opposed by two wheels, with a pair of suspensions (here a leaf spring) via a pair d hanger mounting bracket (11, 12) fixed to the chassis, on the Left hand (LH) side and Right hand (RH) side, having two dependant legs (18) with fore-and aft slots (38) for accommodating clamping bolt. An aperture (37) in transverse direction provided to said legs of the hanger in a line; a first plug (22) having eccentric hole with D-shape end with tooling facility provided to the said fore leg the said hanger. A second plug (27) having eccentric hole with D-shape end provided to the said aft leg of the hanger. A first eye, provided at front end of the said suspension, connected to the said hangers by a spring pin having matching D-shape ends (40) supported in the said plugs and rigidly held by a clamping bolt through the said slot. A second eye, provided at the rear end of the said suspension, connected to shackle (14) to the support.

No. of Pages: 17 No. of Claims: 7

(22) Date of filing of Application :24/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: NOVEL TILE ASSEMBLY AND METHOD FOR FABRICATING THE SAME

Filing Date :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 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>	E04F 15/02 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)JAYAN PRAJAPATI  Address of Applicant: DK-1/365, SCHEME NO. 74-C, INDORE-452010, MADHYA PRADESH, INDIA (72)Name of Inventor:  1)JAYAN PRAJAPATI
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#### (57) Abstract:

A novel tile assembly having three dimensional a structure is disclosed. The novel tile assembly is used for covering the floors being horizontal or vertical in dimension. The construction of tile is such that it provides thermal and noise insulation to structures they are covering. The novel tile assembly also provide a system to encourage plantation even in high population density areas lacking in green space. The system consists of well defined growth medium and irrigation network capable of conserving water though the system and recycling it for use within the system. The present invention is environmental friendly and is based on green technology.

No. of Pages: 19 No. of Claims: 6

(22) Date of filing of Application :01/07/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: BLADE PITCHING SYSTEM FOR A HORIZONTAL AXIS WIND TURBINE

(31) Priority Document No :NA (32) Priority Date :NA (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 Filing Date :NA	D7/02, D3/00 (71)Name of Applicant:  1)PATEL Shaileshkumar Shankarbhai Address of Applicant:RH NO 35, CHANDRALOK CO.OP.HO.SOC. B/H BALAJI TOWER, VAPI DAMAN ROAD, CHALA VAPI, GUJARAT 396191 2)MEHRA Yogesh Jogindernath (72)Name of Inventor: 1)PATEL Shaileshkumar Shankarbhai 2)MEHRA Yogesh Jogindernath
Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	

#### (57) Abstract:

The present subject matter relates to a pitching system for a blade (108) of a horizontal axis wind turbine (100). The pitching system includes a motor-cum-generator (220) to adjust a pitch of the blade (108) during a pitch-in mode, the blade (108) being adjusted against wind force during the pitch-in mode, and to generate an output power during a pitch-out mode, the blade (108) being pitched by wind force during the pitch-out mode and acting as a prime mover for the motor-cum-generator (220) during the pitch-out mode. The pitching system also includes a power converter (212) provides an input power to the motor-cum-generator (220) to adjust the pitch of the blade (108) during the pitch-in mode from a power source and provides a part of the output power generated by the motor-cum-generator (220) during the pitch-out mode to the power source.

No. of Pages: 23 No. of Claims: 15

(22) Date of filing of Application :01/07/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: HIGH GAS ADSORPTION IN A METAL ORGANIC FRAMEWORK

<ul> <li>(51) International classification</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>	:B01J20/22 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)HINDUSTAN PETROLEUM CORPORATION LTD. Address of Applicant:HINDUSTAN PETROLEUM CORPORATION LTD, PETROLEUM HOUSE, 17 JAMSHEDJI TATA ROAD, CHURCHGATE, MUMBAI 400020 Maharashtra India  2)GITAM UNIVERSITY 3)CENTRE FOR HIGH TECHNOLOGY (CHT) (72)Name of Inventor: 1)RAMAN, Ravishankar
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)TOMPALA, Annaji Rajiv Kumar 3)PEDDY, Venkata Chalapathi Rao
(62) Divisional to Application Number Filing Date	:NA :NA	4)NETTEM, Venkateswarlu Choudary 5)GANDHAM, Sriganesh 6)MUKKAMALA, Saratchandra Babu 7)NARAYANAM, Nagaraju 8)GANGU, Kranthi Kumar

## (57) Abstract:

In accordance with the present subject matter an organic compound of formula I is disclosed. The present subject matter also relates to a process for preparing the organic compound. The present subject matter further relates to the use of the synthesized organic compound as an organic linker, in combination with a metal, for synthesis of metal-organic frameworks of formula M-L, where M is a metal ion and L is an organic compound, and where M is at least one of a alkaline earth metal or a transitional metal. The invention further discloses the use of the synthesized metal-organic frameworks for storage of gases.

No. of Pages: 36 No. of Claims: 17

(22) Date of filing of Application :01/07/2013

(43) Publication Date: 12/06/2015

# (54) Title of the invention: METAL-ORGANIC FRAMEWORK MATERIALS FOR GAS STORAGE

		(71)Name of Applicant :
		1)HINDUSTAN PETROLEUM CORPORATION LTD.
(51) International classification	:B01J20/30,	Address of Applicant :HINDUSTAN PETROLEUM
(31) International classification	B01J20/22,F17C11/00	CORPORATION LTD, PETROLEUM HOUSE, 17 JAMSHEDJI
(31) Priority Document No	:NA	TATA ROAD, CHURCHGATE, MUMBAI 400020 Maharashtra
(32) Priority Date	:NA	India
(33) Name of priority country	:NA	2)GITAM UNIVERSITY
(86) International Application No	:NA	3)CENTRE FOR HIGH TECHNOLOGY (CHT)
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)RAMAN, Ravishankar
(61) Patent of Addition to Application	:NA	2)TOMPALA, Annaji Rajiv Kumar
Number	:NA	3)PEDDY, Venkata Chalapathi Rao
Filing Date		4)NETTEM, Venkateswarlu Choudary
(62) Divisional to Application Number	:NA	5)GANDHAM, Sriganesh
Filing Date	:NA	6)MUKKAMALA, Saratchandra Babu
		7)NARAYANAM, Nagaraju
		8)GANGU, Kranthi Kumar

## (57) Abstract:

The present subject matter discloses an organic linker of formula I. The present subject matter also relates to a process for preparing the organic linker of formula I. The present subject matter further relates to a process for preparing metal-organic frameworks of formula M-L, where M is a metal ion and L is an organic linker of formula I, for storage of gases.

No. of Pages: 27 No. of Claims: 8

(21) Application No.2594/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: HYDRAULIC BRAKE

	.E16D65/72	(71)Nome of Ambigont
(51) International classification	B60T13/22.	(71)Name of Applicant :   1)VALERA RUSHIT JAYSUKH
	B60T13/14	Address of Applicant :6, PATEL COLONY, NEAR RADHA-
(31) Priority Document No	:NA	KRISHNA TEMPLE, OPP. P&T COLONY, JAMNAGAR-
(32) Priority Date	:NA	361008, GUJARAT, INDIA.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)VALERA RUSHIT JAYSUKH
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:

This invention relates to hydraulic braking system. Preferably it relates to hydraulic braking system used to operate and control the movement of rotating device. More particularly it is useful in the automobiles. It is a hydraulic brake having multiple shoes which acts together to apply the brake. Here the force generated by the master cylinder is transmitted directly to all the shoes through the fluid (oil). Here there is uniform force acting on all the shoes, resulting in more powerful brake and also reducing the loss of brake liners as they wear uniformly.

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

(22) Date of filing of Application :01/07/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : 'IMPROVED ELECTROPALATOGRAPHIC PLATE FOR DETERMINATION OF TONGUE TO PALATE CONTACT'

(51) International classification (31) Priority Document No	A61G5/00 :NA	(71)Name of Applicant:  1)SUNITA SHRIVASTAV  Address of Applicant:PROFESSOR, DEPARTMENT OF
(32) Priority Date (33) Name of priority country (86) International Application No.	:NA :NA :NA	ORTHODONTICS, SHARAD PAWAR DENTAL COLLEGE AND HOSPITAL, SAWANGI (MEGHE), WARDHA - 442 004, MAHARASHTRA, INDIA
<ul><li>(86) International Application No</li><li>Filing Date</li><li>(87) International Publication No</li></ul>	:NA :NA : NA	2)SHRIDHAR MUNJE (72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA :NA :NA	1)SUNITA SHRIVASTAV
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	2)SHRIDHAR MUNJE

## (57) Abstract:

The present invention relates to electropalatographic plate for use with oral movements, and more particularly, to an improved specific design pattern of electropalatographic plate along with computer aided software for determination of tongue to palate contact using movement of the tongue for providing speech therapy and speech assessment.

No. of Pages: 30 No. of Claims: 13

(22) Date of filing of Application :01/07/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: SYSTEM AND METHOD FOR CREATING LABELS FOR CLUSTERS

<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>	G06F17/21 :NA :NA :NA	(71)Name of Applicant:  1)TATA CONSULTANCY SERVICES LIMITED  Address of Applicant:NIRMAL BUILDING, 9TH FLOOR, NARIMAN POINT, MUMBAI 400021, MAHARASHTRA, INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DESHPANDE, SHAILESH SHANKAR
(87) International Publication No	: NA	2)PALSHIKAR, GIRISH KESHAV
(61) Patent of Addition to Application Number	:NA	3)G, ATHIAPPAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is a method and system for creating labels for cluster in computing environment. The system comprises receiving module, candidate items selector, combination array generator, coverage value analyzer, candidate pair selector, unique word filter and cluster label selector. Receiving module receives input data and candidate items selector selects candidate items occurring repetitively using n-gram technique to generate list of candidate items with frequency of occurrence. Combination array generator selects candidate items to populate two dimensional array wherein each array element represents pair of n-gram. Coverage value analyzer determines coverage value for each pair of n-gram from array. Candidate pair selector selects pairs of n-gram from two dimensional array to process and generate list of candidate pairs. The unique word filter determines number of unique words in each candidate pair. Cluster label selector sorts list of candidate pairs using coverage value and number of unique words to select cluster label.

No. of Pages: 28 No. of Claims: 22

(22) Date of filing of Application :20/09/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHODS AND COMPOSITIONS FOR ENHANCING FAT GRAFT SURVIVAL

Filing Date :23/02/	2010 Address of Applicant :Nazareth Industrial Area P.O. Box 1251 17111 Nazareth Ilit Israel. (72)Name of Inventor :
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#### (57) Abstract:

A method of enhancing fat cell survival in a subject in need thereof is disclosed. The method comprising (a) implanting a population of fat cells into the subject; and (b) administering Erythropoietin to the subject thereby enhancing fat cell survival in the subject.

No. of Pages: 55 No. of Claims: 24

(21) Application No.2454/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :01/08/2013 (43) Publication Date : 12/06/2015

(54) Title of the invention: OXYGENATORS

(51) International classification	:A61M1/32	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SHINDE SUNIL
(32) Priority Date	:NA	Address of Applicant :TREASURE PARK, F/101,
(33) Name of priority country	:NA	SANTNAGAR, PUNE-411009, MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SHINDE SUNIL
(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 oxygenator for generating oxygen gas for facilitating combustion of fuel is disclosed and includes an aluminum chamber, a copper rod, a winding element, oil and a conduit. The aluminum chamber has a first, second and third opening. The copper rod is received by the first opening such that a portion of the copper rod is disposed inside the aluminum chamber and a portion of the copper rod is disposed outside the aluminum chamber and is heated. The winding element is wound on the portion of copper rod disposed inside the aluminum chamber. The oil is inserted and held within the aluminum chamber through the second opening and reacts with the copper of the heated copper rod, the winding element and the aluminum of the aluminum chamber to generate oxygen gas. The conduit is connected to the third opening and supplies the oxygen gas to facilitate combustion of fuel.

No. of Pages: 19 No. of Claims: 6

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A COMPOSITION FOR HEMOGLOBINOPATHY AND METHOD OF PREPARATION 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> </ul>	:A61K31/7088, A61K39/395 :NA :NA :NA :NA	(71)Name of Applicant:  1)MAHARASHTRA AROGYA MANDAL Address of Applicant: MAHARASHTRA AROGYA MANDAL, SURVEY NO.165 A, MALWADI,HADAPSAR, PUNE-411028,MAHARASHTRA, INDIA 2)CENTRAL COUNCIL FOR RESEARCH IN AYURVEDIC SCIENCE (CCRAS)
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	: NA :NA :NA :NA :NA	(72)Name of Inventor: 1)DR. YESHWANT G. JOSHI 2)DR. SUDAM L. KATE

#### (57) Abstract:

A composition for hemoglobinopathy and method of preparation thereof Particularly, the invention provides a polyherbal composition for treating hemoglobinopathy and related disorders, wherein said polyherbal composition comprising a synergistic combination of Guduchi (Tinospora Cordifolial Kumari {Aloe Vera Burm.f}), Bilwa (Aegle Marmelos), Bhumyamalaki (Phyllanthus Amarus), Sharpunkha (Tephrosia Purpurea), Bhringaraj (Eclipta Alba) and others. The disclosed polyherbal composition is used for the treatment of hemoglobinopathy and related disorders, such as thrombotic disorders, thrombolytic anemia, thrombolytic condition, and body exhaustion.

No. of Pages: 12 No. of Claims: 10

(22) Date of filing of Application :15/04/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SYSTEMS AND METHODS FOR SEMANTIC BASED SEARCH ENGINE

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number : N	:G06F17/00, G06F7/00 :NA
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#### (57) Abstract:

The present invention in a preferred embodiment provides systems and methods involving semantic based search engine comprising: a. at least one computing device; b. a processing unit; c. a data storage unit; d. user interface; e. semantic mapping mechanism; wherein a user inputs data accessing said user interface into said computing device; wherein input data is temporarily stored in the data storage unit and the stored data is processed by the processing unit using semantic mapping mechanism; wherein the semantic mapping mechanism extracts words or synonyms or phrases similar to the input data; wherein each of the extracted words synonyms or phrases similar to the input data or the input data are searched from at least one data source; wherein matching results are sorted based on predefined parameters; and wherein the sorted results are displayed on the user interface.

No. of Pages: 9 No. of Claims: 2

(22) Date of filing of Application :24/06/2013

(43) Publication Date: 12/06/2015

# (54) Title of the invention : FORMULATION FOR PREVENTION AND TREATMENT OF DIABETES AND RELATED DISORDERS AND PROCESS OF PREPARATION THEREOF

(51) International classification	:A61K31/353,	(71)Name of Applicant:
	A61K9/50	1)HOLY-CRYSTALS
(31) Priority Document No	:NA	Address of Applicant :202, AVADH RESIDENCY, NEAR
(32) Priority Date	:NA	PRERNATIRTH DERASAR, JODHPUR, SATELLITE,
(33) Name of priority country	:NA	AHMEDABAD, GUJARAT INDIA-370015
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GADHVI, NEETA
(87) International Publication No	: NA	2)GADHVI, SATYEN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The subject matter provides a formulation for the prevention and treatment of diabetes and related disorders by administering an effective amount of the composition comprising an extract of at least one plant selected from Pterocarpus Marsupium, Withania Somnifera, Hydrocotyle Asiatka, and a combination thereof. The subject matter also provides a process for preparing and method of using the same.

No. of Pages: 15 No. of Claims: 10

(21) Application No.2119/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PROCESS FOR MANUFACTURING GREEN TEA

(51) International classification	:A23F3/06	(71)Name of Applicant :
(31) Priority Document No	:11167053.5	1)UNILEVER PLC
(32) Priority Date	:23/05/2011	Address of Applicant :a company registered in England and
(33) Name of priority country	:EPO	Wales under company no. 41424 of Unilever House 100 Victoria
(86) International Application No	:PCT/EP2012/058878	Embankment London Greater London EC4Y 0DY U.K.
Filing Date	:14/05/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2012/159910	1)PIERRE Francois Xavier Henri
<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:

Disclosed is a process for manufacturing a green leaf tea product the process comprising the steps of: a)providing fresh tea material comprising catechins and active endogenous enzymes wherein the fresh tea material comprises leaf material and stem material; b) optionally withering the fresh tea material; c) separating the leaf material from the stem material whilst the fresh tea material comprises active endogenous enzymes to provide tea material rich in leaf; d) inactivating the endogenous enzymes in the tea material rich in leaf to substantially prevent fermentation of the tea material rich in leaf; and e) drying the tea material rich in leaf to yield the green leaf tea product.

No. of Pages: 15 No. of Claims: 9

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: AN ELECTRICAL INDUCTION HEATING 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 Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:26/04/2012 :WO 2012/150530 :NA :NA	(71)Name of Applicant:  1)KASSEL Harry Dean Address of Applicant: No. 1 Short Road Morningside 2196 Sandton SOUTH AFRICA. (72)Name of Inventor: 1)KASSEL Harry Dean
1 (01110 01	:NA :NA :NA	

#### (57) Abstract:

The invention discloses an electrical induction heating assembly which comprises an induction heating coil surrounding and being thermally insulated from a concentric closed cylindrical chamber having an inlet and an outlet. An electrically conductive element is located within or forms part of the chamber. The chamber includes means for uniform distribution of material that is to be heated in the chamber. A body of discreet agitating media is contained within the chamber. The body of discreet agitating media typically comprise steel balls.

No. of Pages: 13 No. of Claims: 19

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A METHOD AND DEVICE FOR EXECUTING AN ENTERPRISE PROCESS

:G06F17/30	(71)Name of Applicant:
:NA	1)TATA CONSULTANCY SERVICES LIMITED
:NA	Address of Applicant :Nirmal Building, 9th Floor, Nariman
:NA	Point, Mumbai 400021, Maharashtra, India
:NA	(72)Name of Inventor:
:NA	1)KAMAL, Nitin
: NA	2)KATELA, Venus
:NA	
:NA	
:NA	
:NA	
	:NA :NA :NA :NA :NA :NA :NA :NA

#### (57) Abstract:

Disclosed is a method for executing an enterprise process through an electronic device. A data replication module is configured to replicate the data in a local database of the electronic device. A data field creation module is configured to create a first set of data fields and a second set of data fields. A data population module is configured to populate a the first set of data fields with a first set of data values and the second set of data fields with a first set of data values. A data field validation module is configured to validate the second set of data fields. A report generation module is configured to generate a report depicting information associated with the execution the enterprise process. A synchronization module is configured to synchronize the local database comprising the report with the master database in order to facilitate the execution of the enterprise process.

No. of Pages: 27 No. of Claims: 15

(22) Date of filing of Application :25/03/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: POWER AND FERTILIZER GENERATING PLANT FROM DUMP WASTE

	:C05F	(71)Name of Applicant :
(51) International classification	7/00,	1)Bhavsar Swapnil Chandrakant
	B09B3/00	Address of Applicant :M-64/768, Chitrakut Apartment Sola
(31) Priority Document No	:NA	Road, Naranpura Ahmedabad-380063 Gujarat, India.
(32) Priority Date	:NA	2)Jain Anjil Anvin
(33) Name of priority country	:NA	3)Shah Parin Kamalkumar
(86) International Application No	:NA	4)Dr. Vasani Rupesh Parmanand
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Dr. Vasani Rupesh Parmanand
(61) Patent of Addition to Application Number	:NA	2)Shah Parin Kamalkumar
Filing Date	:NA	3)Jain Anjil Anvin
(62) Divisional to Application Number	:NA	4)Bhavsar Swapnil Chandrakant
Filing Date	:NA	5)Patel Bhupendra Laljibhai

#### (57) Abstract:

The present invention a organic waste allow to burn in the atmosphere of plasma gas through a specially design furnace the waste power generator gives heat energy and the heat energy is converted to mechanical by allowing the steam to pass through the turbine and generator converts mechanical energy to electrical energy and the electrical energy store into battery and the battery is attached to inverter, and the inverter gives electrical energy to the street lights and other components. The byproduct of the plant is fertilizer.

No. of Pages: 15 No. of Claims: 3

(21) Application No.1543/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: TRUCK MIXER FOR FLOWABLE MEDIA IN PARTICULAR CONCRETE

<ul> <li>(51) International classification</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 011 863.2 :21/02/2011 :Germany	(71)Name of Applicant:  1)STETTER GMBH  Address of Applicant:Dr. Karl Lenz Str. 70 87700  Memmingen Germany (72)Name of Inventor:  1)ANIC Zoran  2)ABOLINS Gunther 3)BUCHTA Siegfried
(86) International Application No	:PCT/EP2012/000578	(72)Name of Inventor:
Filing Date	:08/02/2012	1)ANIC Zoran
(87) International Publication No	:WO 2012/113510	2)ABOLINS Gunther
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)BUCHTA Siegfried
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		•

#### (57) Abstract:

The invention relates to a truck mixer for transporting flowable media in particular concrete comprising a mixing drum (5) that is received on support blocks (3 4). The rear support block (4) has two support arms that extend on both sides of the mixing drum (5). Bearing blocks (8) are fixed to the support arms said bearing blocks receiving the rollers (7) for supporting the mixing drum (5). The support arms and the bearing block (8) form a common support surface (22) by means of which the support arms can be fixed to the rear support block (4) in a stable manner.

No. of Pages: 16 No. of Claims: 14

(21) Application No.1544/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 12/08/2013 (43) Publication Date: 12/06/2015

# (54) Title of the invention: PRIORITY MEASUREMENT RULES FOR CHANNEL MEASUREMENT OCCASIONS

<ul> <li>(51) International classification</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>	:08/02/2012 :WO 2012/107885 :NA :NA	(71)Name of Applicant:  1)RENESAS MOBILE CORPORATION Address of Applicant: 6 2 Otemachi 2 chome Chiyoda ku Tokyo Japan (72)Name of Inventor: 1)FRANKLIN Steven 2)CHARLES Graham
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Based on the determined signal strength of a serving cell a choice is made whether to utilize a cell FACH measurement occasion for a lower priority neighbor cell search or for a higher priority neighbor cell search. The lower priority neighbor cell search is for maintaining wireless connectivity and the higher priority neighbor cell search is for accessing enhanced wireless service. In specific examples the search may be inter frequency for frequency layers with higher or lower priority than a serving layer of the serving cell or the search may be inter RAT such as the lower priority GERAN search and a higher priority E UTRAN search if the serving cell is WCDMA. In one example there are two thresholds for the signal strength and if higher than both then the measurement occasion is used for an E UTRAN search regardless of whether GERAN or inter frequency neighbour cells have been configured for the UE practicing the invention.

No. of Pages: 28 No. of Claims: 22

(22) Date of filing of Application :08/02/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: IV MONITORING BY VIDEO AND IMAGE PROCESSING

(51) International classification	:G06T7/00, A61M5/172	(71)Name of Applicant: 1)KAI Kaitao
(31) Priority Document No	:12/804163	Address of Applicant :Tao Zhongwei Nan Shi Da Er Fu Zhong
(32) Priority Date	:15/07/2010	Gao Zhong Bu 8th Changjiang Lu Yizheng Jiangsu 211900 China
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/CN2011/073805	1)KAI Kaitao
Filing Date	:09/05/2011	
(87) International Publication No	:WO 2012/006896	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An apparatus for monitoring the dripping speed in IV process as well as detecting the end of the IV process includes a camera (12) and a processing unit (13) to analyze the information from the acquired video. Features from the image sequence of the acquired video are extracted and the dripping speed is computed accordingly by discrete Fourier transform. The apparatus is also capable of detecting the end of the dripping process by finding the location of liquid surface in the drip chamber (16). A barcode (17) is also used to provide information for a monitoring device and program.

No. of Pages: 41 No. of Claims: 11

(22) Date of filing of Application :21/01/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: INSPECTION SYSTEM AND METHOD FOR USE IN UNDERGROUND BORING OPERATIONS

### (57) Abstract:

An inspection system and method for use in underground utility construction especially underground boring operations is provided. The inspection system generally includes a sensor a sensor carrier apparatus and an output device. The sensor is employed to obtain inspection data regarding the condition of a tunnel created in an underground boring operation. The sensor carrier is adapted to incorporate the sensor and connect to means for transporting the sensor through the tunnel. The output device receives an output signal from the sensor corresponding to the inspection data and presents it to an operator for interpretation and/or otherwise documents and/or records the inspection data.

No. of Pages: 41 No. of Claims: 29

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: NODE ADDRESS ALLOCATION

(31) Priority Document No :GB 121485	29/08 (71)Name of Applicant:  1)CONTROL TECHNIQUES LTD  Address of Applicant: THE GRO, POOL ROAD,  NEWTOWN, POWYS, SY16 3BE, UNITED KINGDOM  (72)Name of Inventor:  1)HART SIMON DAVID
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#### (57) Abstract:

There is provided a method for allocating node addresses in a computer network architecture and a computer network architecture for performing such a method. The computer network architecture comprises at least one master node and at least one slave node serially connected downstream of the master node. Each slave node includes a switch for connecting an upstream transmit line with a downstream transmit line at the slave node. When the switch is open, the master node and any upstream slave nodes are not connected via the transmit line to any downstream slave nodes. When the switch is closed, the master node and any upstream slave nodes are connected via the transmit line to any downstream slave nodes. Before the method is performed: at least one of the slave nodes has not yet been allocated a unique slave address; any slave nodes not yet allocated a unique slave address share a default slave address; and the switch in any slave node having the default slave address is open. The method comprises: a) the master node sending a message on the default slave address; b) the furthest upstream slave node having the default slave address being allocated a unique slave address; c) the slave node allocated the unique slave address at step b) closing the switch connecting the upstream transmit line with the downstream transmit line, so as to connect the master node and any upstream slave nodes to any downstream slave nodes; d) the slave node allocated the unique address at step b) sending an acknowledgement to the master node; and e) if there are any further slave nodes having the default slave address, repeating steps a) to d) for each such slave node.

No. of Pages: 26 No. of Claims: 16

(21) Application No.2569/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: REMOTE OPERATED 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> <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>	:H01H71/70, H01H3/26 :13/598,217 :29/08/2012 :U.S.A. :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)CARLING TECHNOLOGIES, INC.  Address of Applicant:60 JOHNSON AVE PLAINVILLE, CT 06062-1177, UNITED STATES U.S.A. (72)Name of Inventor:  1)FASANO MICHAEL
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#### (57) Abstract:

A circuit breaker having a movable contact arm for opening and closing the circuit which is controlled separately by a circuit breaker mechanism for circuit protection and by a switch lever mechanism which does not require actuation of the circuit breaker mechanism to function. The switch lever may be activated by a solenoid or other suitable means, and various interlocking mechanical states exist among the elements that provide added safety features.

No. of Pages: 22 No. of Claims: 20

(21) Application No.2896/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :26/12/2012

(43) Publication Date: 12/06/2015

# (54) Title of the invention : TREATMENT OF HEPATITIS C VIRUS RELATED DISEASES USING HYDROXYCHLOROQUINE OR A COMBINATION OF HYDROXYCHLOROQUINE AND AN ANTI-VIRAL 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> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:A61K31/4706, A61P31/14 :61/358,014 :24/06/2010 :U.S.A. :PCT/IB2011/052762 :23/06/2011 :WO/2011/161644 :NA	(71)Name of Applicant:  1)PANMED LTD.  Address of Applicant :c/o Willy Danenberg 55 Elfbunderslaan  B-1650 Beersel Belgium.  2)GENOSCIENCE PHARMA SAS  (72)Name of Inventor:  1)HALFON Philippe
Number	:NA :NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Methods of treating a hepatitis C virus (HCV) related disease are described herein comprising administering to the subject a therapeutically effective amount of hydroxychloroquine. Therapeutically effective amounts of hydroxychloroquine are disclosed which are sufficient to inhibit HCV-induced autophagy in the subject. An anitviral agent may be co-administered with the hydroxychloroquine. Methods utilizing synergistic combinations of hydroxychloroquine and an antiviral agent are disclosed. Further disclosed are compositions comprising hydroxychloroquine and an antiviral agent as well as hydroxychloroquine and uses thereof for the treatment of a hepatitis C virus (HCV) related disease.

No. of Pages: 109 No. of Claims: 92

(22) Date of filing of Application :01/07/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: EPOXY BASED ACRYLATED AROMATIC POLY(ESTER-AMIDE)S RESIN COMPOSITION

(51) International classification	67/03, C08L 63/00	KACHCHH UNIVERSITY Address of Applicant: KRANTIGURU SHYAMJI KRISHNA
(31) Priority Document No (32) Priority Date	:NA :NA	VERMA KACHCHH UNIVERSITY, MUNDER ROAD, BHUJ, DIST. KUTCHCHH 370 001 (GUJARAT)
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No Filing Date	:NA :NA	1)DAVE PRAGNESH N 2)PATEL NIKUL N
(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 preparation of epoxy resin based Acrylated poly(ester-amide) with improved properties. The object of the present invention is to provide epoxy resin based Acrylated poly(ester-amide) which has improved thermal stability with favorable balance of physical and chemical properties. The present invention provides an aromatic epoxy based Acrylated poly(ester-amide) comprising following repeating unit:

No. of Pages: 13 No. of Claims: 8

(22) Date of filing of Application :01/07/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A METHOD AND SYSTEM FOR TRENDING SHOWS AND CHANNELS

<ul><li>(51) International classification</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>	:H04W16/18, G06F3/044 :NA :NA :NA	(71)Name of Applicant:  1)WHATS ON INDIA MEDIA PRIVATE LIMITED  Address of Applicant: A Wing, 3rd Floor, Todi Estate, Sun  Mill Compound, Opp. Phoenix Mills, Lower Parel, Mumbai  400013 Maharashtra India  (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)Atul Phadnis
<ul><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	

#### (57) Abstract:

Accordingly it is a principle object of the present invention to overcome the disadvantages and limitations of prior art methods and systems and provide an integrated method and system for trending shows and channels for future viewership,. In accordance with the principles of the present invention wherein the system will carry associative functions of the method for trending shows and channels. It is yet another object of the present invention to provide platform for providing program popularity level ratings and rankings for future viewership i.e. for guiding viewers on what program to watch.

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

(21) Application No.2450/MUMNP/2013 A

1)OBSHCHESTVO S OGRANICHENNOJ

Address of Applicant :ul. Sverdlova 4 Penza 440026 RUSSIA.

OTVETSTVENNOSTJU PARAFARM

2)TRIFONOV Vjacheslav Nikolaevich

4)ELISTRATOV Konstantin Gennadevich

3)ELISTRATOVA Julija Anatolevna

5)KURUS Natalja Vjacheslavovna

1)STRUKOV Villorij Ivanovich

(71) Name of Applicant:

(72)Name of Inventor:

(19) INDIA

(22) Date of filing of Application :26/12/2013 (43) Publication Date : 12/06/2015

### (54) Title of the invention: METHOD FOR FILLING BONE CAVITY FORMATIONS WITH CALCIUM

(51) International classification :A61K35/64,A61P19/10,A61K33/06

(31) Priority Document No :2011121932 (32) Priority Date :31/05/2011

(33) Name of priority country:Russia

(86) International :PCT/RU2012/000049

Application No
Filing Date

31/01/2012

(87) International Publication :WO 2012/166003

(61) Patent of Addition to .NA

Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

.WO 20

# (57) Abstract:

A method is proposed for filling cavity formations in metaphyseal (trabecular) bone sections with calcium and for preventing secretion of calcium therefrom. The proposed method consists in supplying drone brood to an organism in combination with supplying calcium to the organism. Existing methods for saturating an organism with calcium do not achieve the desired result.

No. of Pages: 9 No. of Claims: 4

(21) Application No.271/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :30/01/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: AN IMPROVED METHOD FOR MANUFACTURING A DRY AND WET CLEANING BROOMS

(51) International classification	:A47L9/04, A47L13/24, A47L13/12,	
(31) Priority Document No	:NA	SHIVAJI NAGAR, BHOPAL - 462016 (M.P.)
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)KOSHAL RAJEEV
(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	
(FE) 11	_	·

#### (57) Abstract:

This invention relates to providing a improved broom sticks and novel process of fixing broom sticks to a metal pipe by process of crimping the end of the metal pipe with broom sticks. These new develop brooms can efficiently clean dry as well as wet surfaces. Further more the process of manufacturing is environment friendly and the product thus manufactured is economical.

No. of Pages: 12 No. of Claims: 4

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: INTEGRATED EQUIPMENT FOR WET CONCRETE PRODUCTION AND CONVEYING

<ul> <li>(51) International classification</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>	B28C7/06, B28C7/12,	(71)Name of Applicant:  1)AQUARIUS ENGINEERS PVT. LTD. Address of Applicant: AQUARIUS HOUSE, SHEELAVIHAR COLONY, OFF KARVE ROAD, ERANDWANE, PUNE - 411038, M.S. INDIA (72)Name of Inventor: 1)ASHOK V. DIKSHIT
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### (57) Abstract:

Disclosed is an integrated equipment for wet concrete production and conveying. The integrated equipment comprises a base, a bin panel, an aggregate structure, an extracting conveyor, a cement feeding hopper, a cement weigher, a water weigher, an inlet pipe, an admixture weigher, an admixture pump, a mixer, a power pack, a concrete pump cylinder, a concrete pump, a concrete pump hopper, a concrete conveying unit, a jacketing unit, a frame, a control panel and a washing system. The integrated equipment reduces noise and air pollution levels contributing to greener environment.

No. of Pages: 16 No. of Claims: 6

(22) Date of filing of Application :25/03/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A BIKE WITH WAGON

	D 60D0/06	(71)Name of Applicant:
(51) International classification	:B60R9/06, B62K27/00	,
(31) Priority Document No	:NA	Nandanvan-5, B/H Kalatirth Apartment, Prernatirth Derasar Road,
(32) Priority Date	:NA	Jodhpur, Ahmedabad-380015, Gujarat, India.
(33) Name of priority country	:NA	2)Shah Parin Kamalkumar
(86) International Application No	:NA	3)Jain Anjil Anvin
Filing Date	:NA	4)Bhavsar Swapnil Chandrakant
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Dr. Vasani Rupesh Parmanand
Filing Date	:NA	2)Shah Parin Kamalkumar
(62) Divisional to Application Number	:NA	3)Jain Anjil Anvin
Filing Date	:NA	4)Bhavsar Swapnil Chandrakant
		5)Patel Bhupendra Laljibhai

#### (57) Abstract:

A Bike with Wagon • is a specially designed wagon that is connected with a bike. This bike with wagon is a concept of using the bike in a form of a wagon to accommodate more people. This bile with wagon can be a very good form of a public transportation in urban areas. The bike over 125 CC is modified and specially designed wagon is connected with it. The wagon can have upto two people or three people along with two people on bike. This can be an efficient way of urban mode of public transportation. If more people can be accommodated it will be cost effective as well. Here a bike is attached with a specially designed wagon which can carry more people safely.

No. of Pages: 12 No. of Claims: 3

(21) Application No.1071/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :25/03/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: 100% ACCURATE SCISSOR

<ul> <li>(51) International classification</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>	:B26B 29/06, A61B17/326 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Dr. Vasani Rupesh Parmanand Address of Applicant:07, Aditraj Bunglows, Near Nandanvan-5, B/H Kalatirth Apartment, Prernatirth Derasar Road, Jodhpur, Ahmedabad-380015, Gujarat, India.  2)Shah Parin Kamalkumar 3)Jain Anjil Anvin 4)Bhavsar Swapnil Chandrakant (72)Name of Inventor: 1)Dr. Vasani Rupesh Parmanand 2)Shah Parin Kamalkumar 3)Jain Anjil Anvin 4)Bhavsar Swapnil Chandrakant 5)Patel Bhupendra Laljibhai
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# (57) Abstract:

The present invention of ~100% accurate scissorTM is a specially designed scissor that can cut in the desired path accurately. This scissor is equipped with one small ~laserTM. Laser is run using a small battery to power it and this laser forms a straight path and on this straight path the fabric/paper is cut.

No. of Pages: 9 No. of Claims: 3

(22) Date of filing of Application :29/07/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : APPARATUS FOR SUPPORTING INTERNALS WITHIN A MASS TRANSFER COLUMN AND PROCESS INVOLVING SAME

(51) International classification :F15D1/00,B65D88/06 (71)Name of Applicant : (31) Priority Document No 1)KOCH GLITSCH LP :61/450689 (32) Priority Date Address of Applicant :4111 E. 37th Street North Wichita :09/03/2011 (33) Name of priority country Kansas 67220 U.S.A. :U.S.A. (86) International Application No :PCT/US2012/022570 (72) Name of Inventor: Filing Date :25/01/2012 1) HEADLEY Darran Matthew (87) International Publication No :WO 2012/121812 2)UNRUH Billy Russ (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

An elongated support beam is provided for supporting internals such as liquid collectors liquid distributors packing supports or trays within a mass transfer column. The support beam is divided longitudinally into a lower beam segment and an upper beam segment that are joined together by a plurality of connectors at one or more longitudinally spaced apart positions. The connectors serve to stiffen and resist lateral deflection of the lower and upper beam segments in relation to each other and to transfer the load carried by the upper beam segment to the lower beam segment or vice versa. By dividing the support beam into lower and upper beam segments each of the lower and upper beam segments can be passed through a manway opening in a shell of the mass transfer column prior to assembly of the support beam or following disassembly of the support beam within the mass transfer column.

No. of Pages: 33 No. of Claims: 18

(22) Date of filing of Application :28/02/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: TRACE BASED REACHABILITY ANALYSIS IN STATECHARTS

(51) International alassification	·C06010/06	(71) Nome of Applicant
(51) International classification	-	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Tata Consultancy Services Limited
(32) Priority Date	:NA	Address of Applicant :Nirmal Building, 9th Floor, Nariman
(33) Name of priority country	:NA	Point, Mumbai 400021, Maharashtra, India.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)METTA, Ravindra Kumar
(87) International Publication No	: NA	2)MADHUKAR, Kumar
(61) Patent of Addition to Application Number	:NA	3)SHROTRI, Ulka Aniruddha
Filing Date	:NA	4)R, Venkatesh
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is a method and system for verifying a statechart model (M) having one or more statecharts (S) and a set of traces (T). From the given set of traces (T), a designating module designates a trace as candidates trace (Tr). Based on the candidate trace (Tr), the abstraction module generates an abstract model (MA) by categorizing number of states of the each statechart (S) into at most three categories of states. Thereafter, the model checking module runs a bounded model checker (MC) upon the abstract model (MA) for obtaining a trace (TA) such that a set of transitions in the trace (TA) is a set of potentially transitions of a valid path for the unreached states in the statechart model (M). Further, a path concretization module verifies the reachability of the unreached states by incrementally constructing a concrete path using the potential transitions.

No. of Pages: 22 No. of Claims: 7

(21) Application No.2407/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :19/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF PALIPERIDONE

<ul> <li>(51) International classification</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>	:30/05/2012 :WO 2012/164242 :NA	(71)Name of Applicant:  1)CIPLA LIMITED  Address of Applicant: Mumbai Central Mumbai 400 008  Maharashtra India. (72)Name of Inventor:  1)PUPPALA Ravikumar  2)PATHI Srinivas Laxminarayan  3)KANKAN Rajendra Narayanrao
<ul><li>(86) International Application No Filing Date</li><li>(87) International Publication No</li></ul>	:30/05/2012 :WO 2012/164242 :NA	1)PUPPALA Ravikumar 2)PATHI Srinivas Laxminarayan
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

#### (57) Abstract:

The present invention provides a process for the preparation of paliperidone or a pharmaceutically acceptable salt thereof wherein the process comprises condensing a compound of formula (II) with a compound of formula (III) or a salt thereof in a suitable solvent and a base in the presence of a catalyst and an inhibiting agent wherein the inhibiting agent is added to the reaction system before the compound of formula (II) and compound of formula (III) have reacted or as the reaction of the compound of formula (II) and compound of formula (III) is initiated and optionally converting the paliperidone to a salt thereof wherein X is a suitable leaving group. The present invention also provides substantially pure paliperidone or a salt thereof paliperidone or a salt thereof as prepared by the process and uses of the paliperidone or salt thereof.

No. of Pages: 31 No. of Claims: 68

(22) Date of filing of Application :31/01/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : BATTERY PACK ISOLATION SYSTEM IN ELECTRICAL AND HYBRID ELECTRICAL 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></ul>	:B60R 16/04,B60L11/18 :NA :NA :NA	(71)Name of Applicant:  1)MAHINDRA & MAHINDRA LIMITED  Address of Applicant: R & D CENTER, AUTOMOTIVE SECTOR, 89, M.I.D.C., SATPUR, NASHIK-422 007, MAHARASHTRA, INDIA.
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)A SRINIWAS
(87) International Publication No	: NA	2)P. PRABAHARAN
(61) Patent of Addition to Application Number	:NA	3)C. NANDAGOPALAN
Filing Date	:NA	4)R. GANESH KUMAR
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a battery pack isolation system in electrical and hybrid electrical vehicles. The said system comprising a series of battery modules (11) packed inside a battery pack of the vehicle. A pyrotechnic switch is integrated between the battery modules inside the battery pack (10). An ECU/controller/sensor (15, communicating to the vehicle abnormal condition sensor to get the signal, Connected to the said pyrotechnic switch (12); a battery management system (13) communicating to send the signal to a pyrotechnic switch (12). The hybrid control area network (HYBRID CAN) communicating to BMS. A hybrid control unit communicating to said hybrid CAN. The vehicle CAN receiving signal from the said ECU/controller/sensor unit communicating to the said hybrid control unit. And the arrangement is such that the said pyrotechnic switch (12) is set in such a way that on getting the abnormal condition sensor signal enables disconnection of the battery module (11) which in turn cuts off the power supply to all the high voltage devices inside the vehicle with safety feature and in case of failure to disconnect due to some malfunction of hardwired signal fails the said hybrid CAN network (14) and a vehicle can network (16) automatically takes the charge to disconnect/isolate the HV Battery pack (10) from the rest of the vehicle by communicating the said ECU/controller/sensor (15) crash active status to the BMS (13) via Hybrid Control Unit (17), where the BMS (13) will open the HV main relays.

No. of Pages: 16 No. of Claims: 6

(22) Date of filing of Application :02/04/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: COMPOSITIONS AND METHODS FOR THE DELIVERY OF OXYGEN

(51) International classification	:A61K9/48, A61K38/42, A61K47/48	(71)Name of Applicant: 1)THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
(31) Priority Document No	:60/921,505	Address of Applicant :1111 Franklin Street, 12th Floor,
(32) Priority Date	:22/05/2006	Oakland, California 94607, United States of America
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2007/012184	1)CARY, Stephen, P.I.
Filing Date	:21/05/2007	2)BOON, Elizabeth, M.
(87) International Publication No	:WO/2007/139791	3)WEINERT, Emily
(61) Patent of Addition to Application Number Filing Date	:NA :NA	4)WINGER, Jonathan, A. 5)MARLETTA, Michael, A.
(62) Divisional to Application Number	:2497/MUMNP/2008	
Filed on	:20/11/2008	

# (57) Abstract:

H-NOX proteins are mutated to exhibit improved or optimal kinetic and thermodynamic properties for blood gas O2 delivery. The engineered H-NOX proteins comprise mutations that impart altered O2 or NO ligand-binding relative to the corresponding wild-type H-NOX domain, and are operative as physiologically compatible mammalian blood O2 gas carriers. The invention also provides pharmaceutical compositions, kits, and methods that use wild-type or mutant H-NOX proteins for the treatment of any condition for which delivery of O2 is beneficial.

No. of Pages: 148 No. of Claims: 31

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: COMBUSTION CHAMBER OF AN 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 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>	:F02B19/14, F02B3/06 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)MAHINDRA & MAHINDRA LIMITED Address of Applicant: MAHINDRA TOWERS, WORLI, MUMBAI - 400 018, MAHARASHTRA, INDIA. (72)Name of Inventor: 1)GHODKE, PUNDLIK RAMBHAJI 2)JUTTU, SIMHACHALAM
Filing Date	:NA	

#### (57) Abstract:

A combustion chamber system for an engine includes a main combustion chamber and an auxiliary combustion chamber. The main combustion chamber is defined by a cavity recessed on an operative top face of a piston crown of a piston that traverses within the cylinder of the engine, inside surface of cylinder wall and a cylinder head. The main combustion chamber receives fuel to be combusted from an injector disposed on the cylinder head. The auxiliary combustion chamber is defined by an auxiliary cavity extending radially outward from and in fluid communication with the cavity, wherein the auxiliary cavity creates vortices and directs fuel flow received therein towards a center of the cylinder, thereby diverting the fuel flow away from wall quench zones and fuel entrapping crevices of the cylinder wall to prevent incomplete combustion of fuel caused by quenching and entrapment of fuel at the cylinder wall.

No. of Pages: 21 No. of Claims: 4

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: COLLAPSIBLE HOLDER FOR STORAGE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	35/00, B65D 65/24	(71)Name of Applicant:  1)SUKETU VIPULKUMAR SHAH  Address of Applicant: 20, SUBHASH NAGAR SOCIETY, NEAR BANK OF BARODA, SHAHI BAGH, AHMEDABAD - 380 004 (GUJARAT) INDIA.
(32) Priority Date	:NA	(72)Name of Inventor :
(33) Name of priority country	:NA	1)SUKETU VIPULKUMAR SHAH
(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 collapsible holder comprising of a bottom wall and at least three side walls, which are connected through a mechanical means with a slot to removably receive peripheral member of bottom wall and such mechanical means houses a hole to receive screw and nut to attach to a channel. A mechanical means such as clamp to removably hold the adjacent side walls together and sliding channels on side walls to receive wire member for utility;

No. of Pages: 28 No. of Claims: 13

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PROTECTIVE FOOTREST PLATFORM FOR A VEHICLE

	:B62J25/00,	(71)Name of Applicant :
(51) International classification	B62J25/00,	1)TATA MOTORS LIMITED
	B62K5/00	Address of Applicant :Bombay House, 24 Homi Mody Street,
(31) Priority Document No	:NA	Hutatma Chowk, Mumbai 400 001, Maharashtra, India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)GOPAL MUSALE
(86) International Application No	:NA	2)JAGAT JIBAN PATTNAIK
Filing Date	:NA	3)GANESH GADEKAR
(87) International Publication No	: NA	4)SHIVAKUMAR HANCHINHAL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The disclosure relates to an impact load absorbing platform for a vehicle. The impact load absorbing platform comprises: a first floor, a second floor, a set of first gears extending upwardly from the first floor, a set of second gears meshed with a respective first gear of the set of first gears, such that vertical movement of the set of first gears rotates the set of second gears; and, a flap portion rotatably connected to the second floor and engaged with the set of second gears such that the flap portion tilts with respect to the second floor with the rotation of the set of second gears.

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

(21) Application No.505/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :21/02/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: FIBER COMPOSITIONS

	.C04D1c/02	(71) Name of Applicant
(51) International classification	C04B10/02,	(71)Name of Applicant: 1)RELIANCE INDUSTRIES LIMITED
(31) Priority Document No	:NA	Address of Applicant :3RD FLOOR, MAKER CHAMBER-
(32) Priority Date	:NA	IV, 222, NARIMAN POINT, MUMBAI-400021,
(33) Name of priority country	:NA	MAHARASHTRA, INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)GAJELLI CHANDRAMOULI GANGARAM
(87) International Publication No	: NA	2)KELKAR ANIL KRISHNA
(61) Patent of Addition to Application Number	:NA	3)GURUDATT KRISHNAMURTHY
Filing Date	:NA	4)NIKAM SURESH BHANUDAS
(62) Divisional to Application Number	:NA	5)BHANGALE VIKAS KADU
Filing Date	:NA	6)ARORA ARUN

#### (57) Abstract:

The present disclosure relates to a reinforced cement composition that includes cement, micro-silica, at least one polymeric fiber and wood pulp. The present disclosure further provides cement products and articles prepared from the afore-stated cement composition.

No. of Pages: 13 No. of Claims: 8

(21) Application No.621/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/04/2013 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: LAUNDRY DETERGENT PARTICLE

(51) International classification :C11D3/40,C11D3/10,C11D (31) Priority Document No :10187512.8

(32) Priority Date :14/10/2010 (33) Name of priority country :EPO

(86) International Application No:PCT/EP2011/065152

Filing Date :01/09/2011

(87) International Publication No: WO 2012/048949

(61) Patent of Addition to Application Number :NA Filing Date :NA

(62) Divisional to Application Number :NA

Filing Date

# :C11D3/40,C11D3/10,C11D3/04 (71)Name of Applicant :

# 1)UNILEVER PLC

Address of Applicant :41424 OF UNILEVER HOUSE, 100 VICTORIA EMBANKMENT, LONDON, EC4Y 0DY, UNITED KINGDOM

(72)Name of Inventor:

1)BATCHELOR Stephen Norman

2)CHAPPLE Andrew Paul

3)KENINGLEY Stephen Thomas

#### (57) Abstract:

The present invention provides a coated lenticular or disc detergent particle having perpendicular dimensions x y and z wherein x is from 1 to 2 mm y is from 2 to 8 mm and z is from 2 to 8 mm wherein the particle comprises: (i) from 40 to 90 wt % surfactant selected from anionic surfactant and non ionic surfactant; (ii) from 1 to 40 wt % water soluble inorganic salts; and (iii) from 0.0001 to 0.1 wt % pigment wherein the pigment is selected from organic and inorganic pigments wherein the inorganic salts are present on the detergent particle as a coating and the surfactant and the pigment are present as a core.

No. of Pages: 26 No. of Claims: 18

(22) Date of filing of Application :02/08/2013 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: MODULAR SYSTEM AND ASSOCIATED 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) Potent of Addition to Application Number</li> </ul>	:G05B19/418 :GB 1222931.6 :19/12/2012 :U.K. :NA :NA : NA	(71)Name of Applicant:  1)CONTROL TECHNIQUES LTD  Address of Applicant: THE GRO, POOL ROAD,  NEWTOWN, POWYS, SY16 3BE, UNITED KINGDOM.  (72)Name of Inventor:  1)WAIN RICHARD MARK
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for setting-up a module of a modular industrial control system so that the module is easily integrated into the modular system is disclosed along with a method for setting-up a modular industrial control system for connecting a new module to the modular industrial control system, a module for forming part of a modular industrial control system comprising a plurality of modules and a controller for controlling the plurality of modules, a modular industrial control system, and a corresponding computer readable medium. The method for setting-up a module of a modular industrial control system so that the module is easily integrated into the modular system comprises programming a module for use in a modular industrial control system with a name corresponding to the name used by a control code of a controller of the modular industrial control system to control the module.

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

(21) Application No.452/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :15/02/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : INTEGRATED DISPENSING DEVICE FOR DELIVERING ACCURATE DOSE FOR MULTIPARTICULATE PHARMACEUTICAL DOSAGE FORMS

<ul> <li>(51) International classification</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>	:A61M15/00, A61J7/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Abbott Healthcare Pvt. Ltd.  Address of Applicant: 4, Corporate Park, Sion-Trombay Road, Mumbai 400 071, Maharashtra, India (72)Name of Inventor:  1)MISHRA, Rajesh 2)MESTA, Vikrant 3)JATHAR, Shripad
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#### (57) Abstract:

The present invention provides an integrated dispensing device is adapted for attaching to a container defining an opening and an inner portion and housing therein the multi-particulate substance, and comprises acap attachable to the opening of the container, wherein the cap is adapted to receive a dosing head and a slider. The slider works in conjunction with the dosing head to selectively controlling a flow path between the inner portion of the bottle and the dosing head so as to enable accommodation of the predetermined quantity of the multi-particle substance in the dosing head for release therefrom.

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

(21) Application No.51/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application: 13/01/2014 (43) Publication Date: 12/06/2015

# (54) Title of the invention : ACTUATOR DRIVE WITH AN ASSEMBLY FOR ELECTRICALLY MANUALLY OPERATING AN ACTUATOR 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 No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:10 2011 106 372.6 :04/07/2011 :Germany :PCT/EP2012/002719 :28/06/2012 :WO 2013/004360 :NA	(71)Name of Applicant:  1)AUMA RIESTER GMBH & CO. KG Address of Applicant: Aumastrasse 1 79379 M ¹ / ₄ llheim GERMANY. (72)Name of Inventor: 1)PLATZER Wilfried 2)HOFMANN Benjamin 3)NEWERLA Henrik
	:NA :NA	3)NEWERLA Henrik
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a device for use in automation systems and consists of an actuator drive (1) and an assembly (27) for manually operating the actuator drive an electrical drive or an electro hydraulic drive being provided as the driving element (3) for the actuator drive (1). The assembly (27) comprises a generator (18) and a manual operational element (6) for the generator (18) the assembly (27) being electrically connectible to the driving element (3) of the actuator drive (1).

No. of Pages: 28 No. of Claims: 9

(22) Date of filing of Application :03/04/2013 (43) Publication Date: 12/06/2015

#### (54) Title of the invention: PACKAGED CONCENTRATED PARTICULATE DETERGENT COMPOSITION

(51) International :B65D75/00,B65D75/52,B65D75/58 classification

(31) Priority Document No :10187508.6 (32) Priority Date :14/10/2010

(33) Name of priority country: EPO

(86) International :PCT/EP2011/065454

Application No :07/09/2011 Filing Date

(87) International Publication :WO 2012/048956

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA

Filing Date

(71) Name of Applicant:

1)UNILEVER PLC

Address of Applicant :41424 OF UNILEVER HOUSE, 100 VICTORIA EMBANKMENT, LONDON, EC4Y 0DY, UNITED KINGDOM.

(72) Name of Inventor:

1)BATCHELOR Stephen Norman

2) CHAPPLE Andrew Paul

3)KENINGLEY Stephen Thomas

#### (57) Abstract:

A packaged particulate detergent composition contained in a package the package comprising at least one transparent portion and the composition comprising greater than 50 wt% detergent surfactant and at least 70% by number of the particles comprising (i) a core comprising mainly surfactant and from 0.0001 to 0.1% dye preferably 0.001 to 0.01% dye wherein the dye is selected from anionic dyes and non ionic dyes; and (ii) a coating comprising water soluble inorganic salt the particles being substantially the same shape and size as one another.

No. of Pages: 34 No. of Claims: 14

(21) Application No.1731/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/09/2013 (43) Publication Date: 12/06/2015

#### (54) Title of the invention: SYSTEM AND METHOD FOR REAL TIME DETECTION AND CORRELATION OF DEVICES AND **POWER OUTLETS**

(51) International classification :G06F1/26,G06F1/30,G06F9/44 (71) Name of Applicant:

:02/03/2012

(31) Priority Document No :61/454012 (32) Priority Date :18/03/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/027375

Filing Date (87) International Publication No:WO 2012/128912

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)AVOCENT HUNTSVILLE CORP.

Address of Applicant :4991 Corporate Drive Huntsville

Alabama 35805 U.S.A. (72)Name of Inventor: 1)COSTA Mario

#### (57) Abstract:

A system for monitoring and detecting identities of electronic devices where each of the electronic devices generates a unique power up signature during its power up sequence. The system may make use of a plurality of power outlets that each has a specific identification designation with each one of the electronic devices being assigned to a specific one of the power outlets. A processor may be used which is configured to read the power up signature of a given one of the electronic devices during its power up sequence when the given electronic device is plugged into a given one of the power outlets and is powering up. The processor may use a stored power up signature for the given power outlet together with the power up signature read for the given electronic device to determine if the given electronic device is using its assigned power outlet.

No. of Pages: 22 No. of Claims: 20

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: NOVEL COMPOUNDS AS INHIBITORS OF JANUS KINASE

(51) International classification	:C07D473/18, C07D473/24, C07D473/16	(71)Name of Applicant:  1)CADILA HEALTHCARE LIMITED  Address of Applicant: ZYDUS TOWER, SATELLITE
(31) Priority Document No	:NA	CROSS ROAD, AHMEDABAD - 380 015, GUJARAT, INDIA.
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)DESAI, RANJIT C.
(86) International Application No	:NA	2)DESAI, JIGAR
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 compounds of general formula (1) that are inhibitors of Janus Kinase (JAK), a family of tyrosine kinases that are involved in inflammatory conditions, autoimmune diseases, proliferative diseases, allergy, transplant rejection, diseases involving impairment of cartilage turnover, congenital cartilage malformations, and/or diseases associated with hypersecretion of IL6 or interferons. In particular, the compound of the invention inhibits JAK1 and/or JAK2 and/or JAK3 sub families. The present invention also provides methods for the production of the compounds of the invention, pharmaceutical compositions comprising the compounds of the invention, their tautomeric forms, and their pharmaceutically acceptable salts.

No. of Pages: 70 No. of Claims: 13

(21) Application No.2613/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : LINK FOR CONVEYOR CHAIN, CONVEYOR CHAIN AND METHOD OF ASSEMBLING 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>	UNION :NA :NA	(71)Name of Applicant:  1)NU'EZ BAJO, Magdalena Address of Applicant: P. Isabel La Cat³lica, 28 1° B, 47003  VALLADOLID, ESPA'A. Spain (72)Name of Inventor:  1)SAN MIGUEL NU'EZ, Javier
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:

Link for conveyor chain of the type which have male coupling means (3) and female coupling means (2) having as an essential feature a straight section (6) in a groove (4) of the female coupling means (2) such that the straight section (6) with the groove (4) have a length equal to or greater than a ledge (11) with flared end (12) of the male coupling means (3). It can also include a retaining and rotation pivot (13) on the male coupling means (3) and corresponding with this, a retaining and rotation slot (14). It is also proposed a chain consisting of a plurality of these links, in which the rotation of the chain is enabled, and the retention of the adjacent links in the cross direction of the chain is ensured. A method for assembling and disassembling the chain is also proposed.

No. of Pages: 23 No. of Claims: 9

(22) Date of filing of Application :03/01/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: ADAPTATION PARAMETER SETS FOR VIDEO CODING

(51) International classification	:H04N7/26	(71)Name of Applicant :
(31) Priority Document No	:61/509015	1)QUALCOMM Incorporated
(32) Priority Date	:18/07/2011	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/US2012/046895	U.S.A.
Filing Date	:16/07/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/012792	1)CHEN Ying
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)CHONG In Suk 3)KARCZEWICZ Marta
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In one example a video decoder is configured to store an adaptation parameter set (APS) data structure in a buffer of a coding device wherein the APS data structure includes signaling data applicable to one or more slices of video data decode at least one of the slices based on the signaling data of the APS data structure after decoding the slice determine that the APS data structure can be removed from the buffer remove the APS data structure from the buffer based on the determination and decode one or more additional slices of the video data after removing the APS data structure from the buffer.

No. of Pages: 60 No. of Claims: 59

(22) Date of filing of Application :03/07/2013 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: SMART MEDIATIVE COMMUNICATION SYSTEM FOR DUMB AND DEAF PEOPLE.

<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>	:G09B21/00 :NA :NA :NA	(71)Name of Applicant:  1)MR. KAMALAKAR R. DESAI Address of Applicant: BHARATI VIDYAPEETHS COLLEGE OF ENGG., KOLHAPUR 013 Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MR. KAMALAKAR 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:

This innovative system developed describes the work based on Smart Meditative Communication System for dumb and deaf people Sign language is the language used by mute people and it is a communication skill that uses gestures instead of sound to convey meaning simultaneously combining hand shapes, orientations and movement of the hands. The sign language of dumb and deaf people is difficult to understand for normal people. Very few experiments are carried out in this area. The basic aim of this project is to develop a system, which will help dumb and deaf people to communicate with normal people. In this system the different signs of dumb and deaf people detected by using accelerometers and flex sensors. For signal conditioning and system controlling AVR microcontroller will be used. These sensors will be fixing in pair of hand gloves. The detected signs will decoded and respective audio generates. The basic aim of this project is developing a prototype using this process to reduce the communication gap between differentially able i.e. dumb and deaf people and normal people.

No. of Pages: 10 No. of Claims: 4

(21) Application No.531/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :19/03/2013 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: PETROLATUM COMPOSITION AND PROCESS FOR ITS MANUFACTURE

(51) International classification :A61K8/31,A61K8/81,A61Q19/00 (71)Name of Applicant : 1)UNILEVER PLC (31) Priority Document No :61/388182 (32) Priority Date :30/09/2010 Address of Applicant: 41424 OF UNILEVER HOUSE, 100 (33) Name of priority country VICTORIA EMBANKMENT, LONDON, EC4Y 0DY, UNITED :U.S.A. (86) International Application KINGDOM :PCT/EP2011/066309 (72) Name of Inventor: :20/09/2011 Filing Date 1)LIPS Alexander (87) International Publication 2)LITVIN Tamara :WO 2012/041737

(61) Patent of Addition to
Application Number
Filing Date
:NA

(62) Divisional to Application
Number
Filing Date
:NA
:NA

#### (57) Abstract:

Petrolatum based compositions (i.e. composition in which the emollient petrolatum comprises greater than or equal to 50% of the composition) are desirable because of the excellent moisturization properties provided by petrolatum. However it has sensory negatives perceived by consumers. Specifically because of the oily/greasy and tacky (i.e. slightly adhesive or gummy to touch) feel petrolatum has certain limits to the scope of application. We have found a way to overcome this problem using a copolymer which furthermore avoids the undesirable use of additional oil. A composition is therefore provided comprising: i) 50% to 99.95 % by weight petrolatum; ii) greater than 0.05% by weight of a copolymer bearing greater than 70% long chain alkyl. said composition having an enthalpy of between 30 and 65 preferably 40 and 60 even more preferably 45 and 55 J/g the petrolatum number average crystal size being less than 10  $\mu$ m preferably less than 5  $\mu$ m more preferably less than 1  $\mu$ m.

No. of Pages: 15 No. of Claims: 10

(21) Application No.704/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/04/2013 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: FORCE EQUALIZATION STATIONARY COIL ACTUATOR FOR FLUID MOVERS

(51) International :F15B13/044,F16K31/06,F15B21/08 classification :61/391524

(31) Priority Document No :61/391524 (32) Priority Date :08/10/2010 (33) Name of priority

country :U.S.A.

(86) International Application No :PCT/US2011/055196

Filing Date :07/10/2011

(87) International Publication :WO 2012/048179

(61) Patent of Addition to Application Number :NA Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)AAVID THERMALLOY, LLC

Address of Applicant :67 PRIMROSE DRIVE, LACONIA,

NH 03246, UNITED STATES OF AMERICA

(72)Name of Inventor: 1)LUCAS Timothy S.

# (57) Abstract:

A fluid mover includes a first dynamic armature attached to a flexible member and a second dynamic armature attached to a second flexible member. The fluid mover also includes a housing and first and second flexible members being attached to the housing so as to form a fluid chamber volume bounded by the housing and first and second flexible members. A stationary current carrying coil positioned between first and second armatures. The current carried by the coil generates a magnetic force acting on the armatures and wherein coil and armatures are positioned and configured so as to ensure that the instantaneous magnetic force experienced by the two armatures will always be identical regardless of the relative positions of the armatures and regardless of the time varying properties of the current.

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

(21) Application No.2922/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/12/2012 (43) Publication Date: 12/06/2015

(54) Title of the invention: VEHICLE WHEEL

(51) International classification :B60B3/04,B60B3/10,B60B23/00 (71)Name of Applicant :

:27/06/2011

(31) Priority Document No :2010-150097 (32) Priority Date :30/06/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/064667 No

Filing Date

(87) International Publication :WO 2012/002319

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)TOPY KOGYO KABUSHIKI KAISHA

Address of Applicant: 2 2 Osaki 1 chome Shinagawa ku

Tokyo 1418634 Japan (72) Name of Inventor: 1)KONDO Kazunori

2)FUJIOKA Takehiro

# (57) Abstract:

An automobile wheel 10 comprising: (a) a rim 20; and (b) a disc 30 including: a plurality of spokes 33; and a disc flange 35 positioned at an outside end in the wheel radial direction, the disc having decorative holes 34, in which the rim and the disc flange are joined together, wherein a part of the disc flange, which corresponds to a radially outside end S of each of the spokes, is cut out toward an outside in a wheel axial direction relative to a disc-flange inside end edge 35a of the disc flange on an inside in the wheel axial direction to form a notch 36, and a minimum distance all between the notch and an outer periphery of the decorative hole is smaller than a width a2 of the disc flange at a middle position CD of the decorative hole.

No. of Pages: 33 No. of Claims: 3

(21) Application No.2924/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/12/2012 (43) Publication Date: 12/06/2015

(54) Title of the invention: 6-(1-METHYL-1H-PYRAZOL-4-YL)-3-(2-METHYL-2H-INDAZOL-5-YLTHIO)-[1,2,4] TRIAZOLO [4,3-B] PYRIDAZINE AS A C-MET INHIBITOR

:C07D487/04,A61P35/00 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/369,335 (32) Priority Date :30/07/2010 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/044926 Filing Date :22/07/2011

(87) International Publication No :WO/2012/015677

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)ELI LILLY AND COMPANY

Address of Applicant :Lilly Corporate Center City of Indianapolis State of Indiana 46285 United States of America.

(72)Name of Inventor:

1)WU Zhipei

#### (57) Abstract:

The present invention relates to a c-Met inhibitor (disclosed herein) or a pharmaceutically acceptable salt thereof useful in treating cancer mediated by activity of c-Met receptors.

No. of Pages: 24 No. of Claims: 7

(21) Application No.694/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 10/04/2013 (43) Publication Date: 12/06/2015

#### (54) Title of the invention: A LOOP ANTENNA FOR MOBILE HANDSET AND OTHER APPLICATIONS

(51) International classification :H01Q1/38,H01Q7/00,H01Q5/00 (71) Name of Applicant:

:NA

(31) Priority Document No :1017472.0 (32) Priority Date :15/10/2010

(33) Name of priority country

(86) International Application :PCT/GB2011/051837

No

:28/09/2011 Filing Date

(87) International Publication No:WO 2012/049473

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number

Filing Date

1)MICROSOFT TECHNOLOGY LICENSING, LLC.

Address of Applicant :One Microsoft Way, Redmond,

Washington 98052, United States of America

(72)Name of Inventor:

1)HARPER Marc

2) IELLICI Devis

3)TOMLIN Christopher

#### (57) Abstract:

There is disclosed a loop antenna for mobile handsets and other devices. The antenna comprises a dielectric substrate (23) having first and second opposed surfaces and a conductive track (24) formed on the substrate (23). A feed point (26) and a grounding point (25) are provided adjacent to each other on the first surface of the substrate (23) with the conductive track (24) extending in generally opposite directions from the feed point (26) and grounding point (25) respectively and winding around the substrate (23) to the second surface and passing along a path generally opposite to the path taken on the first surface of the dielectric substrate (23). The conductive tracks (24) then connect to respective sides of a conductive arrangement (27) that extends into a central part of a loop formed by the conductive track (24) on the second surface of the dielectric substrate (23). The conductive arrangement (27) comprises both inductive and capacitive elements. The antenna can be multi moded and operate in several frequency bands. Alternatively the loop antenna is fed parasitically by a monopole or a feeding loop. The parasitic loop antenna my alternatively comprise a conductive loading plate instead of the conductive arrangement.

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

(22) Date of filing of Application :18/04/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SERVICE PROCESSING METHOD BASEBAND PROCESSING CHIP AND 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 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>	:H04W68/12 :NA :NA	(71)Name of Applicant:  1)SPREADTRUM COMMUNICATIONS (SHANGHAI) CO. LTD.  Address of Applicant: Spreadtrum Center Building No. 1 Lane 2288 Zuchongzhi Road Zhangjiang High Tech Park Pudongxinqu District Shanghai 201203 China (72)Name of Inventor:  1)ZHANG Zhi 2)LIU Jiwu 3)CHEN Xianliang 4)GAO Xichun 5)XU Yuan 6)LU Wenbo 7)ZHANG Ma 8)HU Yingping
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#### (57) Abstract:

Disclosed are a service processing method a baseband processing chip and a terminal. The service processing method comprises: in response to that a terminal needs to process a CS domain service identifying whether PS domain data received or sent in a PS domain service currently processed by the terminal is key data for maintaining the quality of the PS domain service; in response to that the received or sent PS domain data is non key data suspending processing of the PS domain service and processing the CS domain service. Embodiments of the present invention enable the terminal of Class B to process the CS domain service during the receiving and sending processes of the PS domain data.

No. of Pages: 35 No. of Claims: 19

(22) Date of filing of Application :04/02/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: ISOXSULPRINE PREFILLED SYRINGE.

	:A61M	(71)Name of Applicant:
(51) International classification	3/00,	1)AGRAWAL, PAWAN
	A61K31/00	Address of Applicant :F 22, AKASH TOWER, OPP:
(31) Priority Document No	:NA	PREMCHAND NAGAR, JUDGES BUNGLOW ROAD,
(32) Priority Date	:NA	SATELLITE, AHMEDABAD-380054, GUJARAT STATE,
(33) Name of priority country	:NA	INDIA
(86) International Application No	:NA	2)AGRAWAL, ZAMEER
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)AGARWAL, PAWAN
(61) Patent of Addition to Application Number	:NA	2)AGARWAL, ZAMEER
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The embodiment of the proposed invention relates to Isoxsuprine containing prefilled syringe whereby the sterility is maintained while handling and transportation. The present syringe being prefilled so chances of contamination, breakage, subsequent material loss and medical wastage are considerably reduced. The present syringe is prefilled with Isoxsuprine and hence the drug is not exposed to the atmosphere prior to administration which prevents the drug from contamination. As the vials are not at all required, medical wastage considerably reduces. Also, it results in reduction of costs of vials thereby making the present invention economical.

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

(22) Date of filing of Application: 19/03/2013 (43) Publication Date: 12/06/2015

### (54) Title of the invention: MONOCLONAL ANTIBODY HAVING IMMUNOSUPPRESSIVE ACTIVITY OR FRAGMENT TO WHICH ANTIGEN THEREOF IS BONDED

(51) International :C07K16/18,A61K39/395,A61P37/06

classification

(31) Priority Document No :2010-185406 :20/08/2010 (32) Priority Date

(33) Name of priority :Japan

country

(86) International :PCT/JP2011/068793 Application No

:19/08/2011 Filing Date

(87) International :WO 2012/023614 Publication No

(61) Patent of Addition to **Application Number** 

:NA Filing Date (62) Divisional to **Application Number** 

:NA

:NA :NA (71)Name of Applicant:

1) JOSAI UNIVERSITY CORPORATION

Address of Applicant :3 26 Kioi cho Chiyoda ku Tokyo

1020094 Japan

(72) Name of Inventor:

1)SATO Shuji 2)GOTO Takeshi 3)GOTO Shigeru 4)NAKANO Toshiaki 5)OHMORI Naoya 6)CHIANG Kueichen 7)SHIMADA Yavoi 8)MORI Kenji

9)MIYAGI Takamitsu

#### (57) Abstract:

Filing Date

The present invention relates to a monoclonal antibody having immunosuppressive activity or a fragment to which an antigen of the monoclonal antibody is bonded. In particular the present invention relates to a monoclonal antibody that couples with a conjugate of a peptide comprising an amino acid sequence represented by SSVLYGGPPSAA (SEQ ID NO: 1) or with a conjugate of a carrier which is pharmaceutically acceptable with the peptide or relates to a fragment to which an antigen of the monoclonal antibody is bonded wherein the monoclonal antibody or the fragment to which an antigen of the monoclonal antibody is bonded has a greater binding affinity for core histones than for histone H1.

No. of Pages: 37 No. of Claims: 14

(21) Application No.756/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/04/2013 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: CLAMPING ASSEMBLY FOR 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 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>	:D01G19/16 :1538/10 :22/09/2010 :Switzerland :PCT/CH2011/000216 :16/09/2011 :WO 2012/037696 :NA :NA	(71)Name of Applicant:  1)MASCHINENFABRIK RIETER AG Address of Applicant: Klosterstrasse 20 CH 8406 Winterthur Switzerland (72)Name of Inventor: 1)PEULEN Jacques 2)WILL Michael
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a clamping assembly (1) for a combing machine comprising a clamping frame (8) and a lower clamping plate (12) which is fastened to the clamping frame (8) at the rear end (17) of the lower clamping plate and which has a clamping lip (30) at the front free end of said lower clamping plate wherein said clamping lip can form a clamping point (29) together with a clamping lip (32) of an upper clamping plate (14) wherein the upper clamping plate (14) is pivotably fastened to the clamping frame (8) and comprising a feeding roller (27) rotatably supported above the lower clamping plate (12). In order to be able to also use long comb fittings without collisions with the clamping assembly the lower surface (33) of the lower clamping plate (12) is offset in a step like manner at distance (a) from the front end face (31) of the free end of the lower clamping plate in the direction of the feeding roller (27).

No. of Pages: 11 No. of Claims: 10

(21) Application No.757/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/04/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : METHOD AND APPARATUS FOR CAPTURING CARBON DIOXIDE IN FLUE GAS WITH ACTIVATED SODIUM CARBONATE

:B01D53/78,B01D53/62 (71)Name of Applicant : (51) International classification (31) Priority Document No 1) WUHAN KAIDI ELECTRIC POWER CO. LTD. :201010510906.X (32) Priority Date Address of Applicant : Kaidi Building T1 Jiangxia Avenue :18/10/2010 (33) Name of priority country East Lake Hi Tech Development Zone Wuhan Hubei 430223 :China (86) International Application No :PCT/CN2011/078394 Filing Date :15/08/2011 (72) Name of Inventor: (87) International Publication No :WO 2012/051879 1)WEI Shifa (61) Patent of Addition to Application 2)HAN Xu :NA Number 3)XUE Yongjie :NA Filing Date 4)WANG Zhilong (62) Divisional to Application Number :NA 5)ZHANG Yanfeng Filing Date :NA

#### (57) Abstract:

Disclosed are a method and an apparatus for capturing carbon dioxide in flue gas with activated sodium carbonate. According to the method an aqueous sodium carbonate solution added with an alcoholamine activator is used as a CO2 absorbent the alcoholamine is bonded to CO2 first to generate an amphoteric intermediate and then hydrated so as to be released again for recycling H+ generated in hydration is neutralized by a basic ion CO32 HCO3 generated in hydration is bonded to the metal ion Na+ to form sodium bicarbonate which is deposited gradually and finally a sodium bicarbonate slurry is obtained. Through decomposition the sodium bicarbonate slurry is regenerated to obtain gas CO2 and an aqueous sodium carbonate solution and the gas CO2 is processed into a liquid through conventional treatment. The apparatus mainly consists of an absorption column (1) inclined plate sedimentation tank (6) a regeneration column (10) a cooler (17) a gas liquid separator (16) a drier (15) a compressor (14) and a condenser (13) that are connected via pipes.

No. of Pages: 22 No. of Claims: 10

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SELF-LOCKING LINK FOR TRANSVERSE-MOUNTED CONVEYOR CHAINS

(51) International classification	:B65G17/08	(71)Name of Applicant:
(31) Priority Document No	:12382341.1	1)NU'EZ BAJO, Magdalena
(32) Priority Date	:05/09/2012	Address of Applicant :P. Isabel La Cat³lica, 28 1° B, 47003
(22) Name of priority country	:EUROPEAN	VALLADOLID, ESPA'A. Spain
(33) Name of priority country	UNION	(72)Name of Inventor:
(86) International Application No	:NA	1)SAN MIGUEL NU'EZ, Javier
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:

Self-closing link especially designed to be used in the transverse-mounted conveyor chains. The link has means to be attached to a same link adjacent to it in such a way that when a transverse-mounted conveyor chain is mounted with a plurality of such links, the retention in the transverse direction of all links in the chain is ensured without the need for additional or external elements.

No. of Pages: 20 No. of Claims: 8

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: SYSTEM AND METHOD FOR CONSUMER SERVICE

<ul><li>(51) International classification</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>	:G06F17/30 :NA :NA :NA :NA	(71)Name of Applicant:  1)VISHAL SHARMA  Address of Applicant: 33, BEACH TOWERS, P. BALU  MARG, PRABHADEVI, MUMBAI - 400025 Maharashtra India (72)Name of Inventor:
Filing Date	:NA	1)VISHAL SHARMA
(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 system for providing a service for a consumer is provided. The system comprises a first local computer operated by a consumer. A platform is provided to the consumer for including information about a product and about the consumer. The system also comprises a central server. The central server is in communication with the first local computer. The central server is capable of creating a database for the information. The central server is capable of providing a periodic update of the service available for the product to the consumer. The system also includes a system team. The system team is capable of providing a one-stop service for any issue related to the product.

No. of Pages: 26 No. of Claims: 10

(22) Date of filing of Application :08/08/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: GRAPH BASED ONTOLOGY MODELING 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>	:G06F17/30, G06N99/00 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)JAYAKUMAR SUBRAMANIAN Address of Applicant:5/90, GITANJALI, WADALA (WEST), MUMBAI - 400031, INDIA Maharashtra India (72)Name of Inventor:  1)JAYAKUMAR SUBRAMANIAN
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

### (57) Abstract:

A graph based ontology modeling system comprising a knowledge base server containing information in the form of graph comprising a plurality of nodes and a plurality of edges; a client system having a recursive-traversing interpreter (RTI) enabling queries on said graph using a combination of eager and lazy evaluation method and updating values of various nodes in said graph; wherein said graph comprises: dataflow edges; controlflow edges; property edges; data nodes; function nodes; combiner nodes; branch nodes; agent nodes; and model nodes; wherein based on query of a user specifying the starting node for traversal, RTI updates the values of various nodes.

No. of Pages: 61 No. of Claims: 9

(22) Date of filing of Application :22/04/2013 (43) Publication Date: 12/06/2015

## (54) Title of the invention: SYSTEM AND METHOD FOR OUTER AND INNER POWER CONTROL LOOP IN UPLINK MULTIPLE INPUT MULTIPLE OUTPUT TRANSMISSION

(51) International classification :H04W52/16,H04W52/32 (71)Name of Applicant : (31) Priority Document No :61/411454

(32) Priority Date :08/11/2010 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/059830

Filing Date :08/11/2011 (87) International Publication No :WO 2012/064781

(61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)OUALCOMM Incorporated

Address of Applicant : Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121 U.S.A.

(72) Name of Inventor:

1)SAMBHWANI Sharad Deepak 2)AKKARAKARAN Sony John

#### (57) Abstract:

Methods and apparatuses are provided for uplink MIMO transmissions in a wireless communication system. In particular a single inner loop power control may be utilized to control a power of both a primary stream (610) and a secondary stream (612) in a system where the power of the secondary stream (612) is linked to the power of the primary stream (610). That is a single transmit power control command calculated according to the primary stream (610) and directly controlling the power of the primary stream (610) can effectively control the power of both uplink streams. Further the disclosure provides outer loop power control where a signal to interference ratio target used in the inner loop power control can be adjusted. Here the SIR target may be adjusted in accordance with at least one of a block error rate performance or a HARQ failure performance of one of the primary stream (610) or the secondary stream (612).

No. of Pages: 87 No. of Claims: 36

(22) Date of filing of Application :27/08/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention : SYSTEMS AND METHODS FOR REDUCING SLUDGES PRODUCED BY WASTEWATER TREATMENT FACILITIES

<ul> <li>(51) International classification</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>	:15/03/2011 :WO 2011/100089 :NA :NA :NA	(71)Name of Applicant:  1)WHITEMAN G. Robert Address of Applicant: P.O. Box 9240 Fleming Island FL 32006 U.S.A. (72)Name of Inventor: 1)WHITEMAN G. Robert
Filing Date	:NA	

#### (57) Abstract:

The invention relates to methods and systems of improving sludge removal and maintaining effluent quality. The methods include directing an incoming wastewater stream to a treatment facility the steam having a flow of at least 20 000 gallons per day; the incoming wastewater stream having at least 50 mg/L solids and 100 mg/L BOD; removing solids and BOD from the incoming wastewater stream in the treatment facility to provide a final effluent stream; the final effluent stream having less than 10% of the solids of the wastewater stream and less than 10% of the BOD of the wastewater stream; the removal of solids and BOD yielding less than about 0.25 pounds of secondary sludge per pound of BOD removed.

No. of Pages: 35 No. of Claims: 34

(22) Date of filing of Application :25/09/2012

(43) Publication Date: 12/06/2015

# (54) Title of the invention : PERSONAL CARE FORMULATIONS CONTAINING ALKYL KETAL ESTERS AND METHODS OF MANUFACTURE

	1 (1170/0)	
(51) International classification	:A61K9/06,	(71)Name of Applicant :
(6 1) 111001111111011111 01111011110111	A61K8/33	1)SEGETIS INC.
(31) Priority Document No	:61/332,982	Address of Applicant :680 Mendelssohn Avenue N. Golden
(32) Priority Date	:10/05/2010	Valley Minnesota 55427 USA.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2011/035973	1)YONTZ Dorie J.
Filing Date	:10/05/2011	2)RIETH Lee Richard
(87) International Publication No	:WO/2011/143254	3)MORANTE Nicholas
(61) Patent of Addition to Application	.NY A	4)PALEFSKY Irwin
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
<ul> <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>	:PCT/US2011/035973 :10/05/2011 :WO/2011/143254 :NA :NA	1)YONTZ Dorie J. 2)RIETH Lee Richard 3)MORANTE Nicholas

## (57) Abstract:

Personal care formulations containing alkyl ketal esters having the structure I wherein a is 0 or an integer of 1 to 12; b is 0 or 1; R2 is a divalent C1-8 group optionally substituted with up to 5 hydroxyl groups; and R1 is C1-6 alkyl.

No. of Pages: 80 No. of Claims: 35

(22) Date of filing of Application :25/09/2012 (43) Publication Date : 12/06/2015

## (54) Title of the invention: STABILIZED ALPHA-GALACTOSIDASE AND USES THEREOF

(51) International classification	:C12N9/40	(71)Name of Applicant:
(31) Priority Document No	:61/309,487	1)Protalix Ltd.
(32) Priority Date	:02/03/2010	Address of Applicant :2 Snunit Street Science Park 20100
(33) Name of priority country	:U.S.A.	Carmiel Israel.
(86) International Application No	:PCT/IL2011/000209	(72)Name of Inventor:
Filing Date	:02/03/2011	1)SHULMAN Avidor
(87) International Publication No	: WO/2011/107990	2)RUDERFER Ilya
(61) Patent of Addition to Application	:NA	3)BEN-MOSHE Tehila
Number	:NA	4)SHEKHTER Talia
Filing Date	.IVA	5)AZULAY Yaniv
(62) Divisional to Application Number	:NA	6)SHAALTIEL Yoseph
Filing Date	:NA	7)KIZHNER Tali

### (57) Abstract:

Multimeric protein structures comprising at least two alpha-galactosidase monomers being covalently linked to one another via a linking moiety are disclosed herein as well a process for preparing same and methods of treating Fabry disease via administration of a multimeric protein structure. The disclosed multimeric protein structures exhibit an improved performance in terms of enhanced activity and/or a longer lasting activity under both lysosomal conditions and in a serum environment.

No. of Pages: 170 No. of Claims: 35

(22) Date of filing of Application :23/11/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: LEVOCARRIMYCIN PHARMACEUTICAL COMPOSITIONS PREPARATION METHODS AND USES THEREOF

(51) International :C07H17/08,A61K31/7048,A61P31/04

classification (31) Priority Document No :201010182027.9

(32) Priority Date :25/05/2010

(33) Name of priority :China

country

(86) International :PCT/CN2011/074658

Application No Filing Date :PC1/CN20

(87) International Publication No :WO 2011/147316

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1) SHENYANG TONGLIAN GROUP CO. LTD.

Address of Applicant :18 Yucai Lane Shuncheng Street East

Dadong District Shenyang Liaoning 110042 China

(72)Name of Inventor:

1)JIANG Yang 2)HAO Yuyou

## (57) Abstract:

Disclosed are levocarrimycin pharmaceutical compositions preparation methods and uses thereof. Levocarrimycin is a mixture of isovalerylspiramycin III II and I as main components and contains certain content of isobutyrylspiramycin III and II butyrylspiramycin III and II propionylspiramycin III and II as well as acetylspiramycin III and II wherein the content of isovalerylspiramycin III is not less than 30 wt% the total content of isovalerylspiramycin III II and I is not less than 60 wt% and the content of acylspiramycin is 80 - 98 wt%. Specific optical rotation of said levocarrimycin is  $[a] = 52^{\circ} - 57^{\circ}$  in the solution of 0.02g/ml chloroform at temperature of  $25^{\circ}$ C. Also disclosed are levocarrimycin comprising the crystal of isovalerylspiramycin III II or I and pharmaceutical compositions containing said levocarrimycin. The active components in levocarrimycin or its pharmaceutical compositions has optical activity and excellent anti infective effect.

No. of Pages: 54 No. of Claims: 21

(22) Date of filing of Application :22/04/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: NON ELECTROSLAG RE MELTING TYPE CLEAN METAL INGOT MOLD

<ul> <li>(51) International classification</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>	:B22D7/06 :201010297876.9 :30/09/2010 :China :PCT/CN2010/080241 :24/12/2010 :WO 2012/040987 :NA :NA	(71)Name of Applicant:  1)XIXIA DRAGON INTO SPECIAL MATERIAL CO. LTD.  Address of Applicant :Industrial Road 88 XiXia Nanyang Henan 474500 China (72)Name of Inventor:  1)ZHU Shucheng
. ,		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A non electroslag re melting type clean metal ingot mold comprises an ingot mold main body (13) and a temperature maintenance cap (9) arranged on the ingot mold main body (13). An insulation and heat preservation mechanism (8) is arranged in the ingot mold vertically and cuts off the space of the inner cavity of the ingot mold into several separated spaces (14) that are distributed in two rows. The most of impurities and segregations aggregate in the part of the liquid metal that touches the insulation and heat preservation mechanism during the crystallization process of the liquid metal so it is easy to eliminate the impurities and segregations using the flame cutting or other machining method to achieve cast ingot of clean steel.

No. of Pages: 30 No. of Claims: 10

(22) Date of filing of Application :02/08/2013

(43) Publication Date: 12/06/2015

## (54) Title of the invention: AUTOMATIC SEED SOWING ROBOT MECHANISM

		(71)Name of Applicant:
		1)Deepak Shahakar
		Address of Applicant :5, Sangani Nagar, Amravati
(51) International classification	:A01C7/02,	Maharashtra India
(51) International classification	A01C7/04	2)Rahim J Sheikh
(31) Priority Document No	:NA	3)Taufique H Baig
(32) Priority Date	:NA	4)Ujwalkumar K Adhau
(33) Name of priority country	:NA	5)Rupali Bodkhe
(86) International Application No	:NA	6)Prachi A Jogi
Filing Date	:NA	7)Pooja Amle
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)Deepak Shahakar
Filing Date	:NA	2)Rahim J Sheikh
(62) Divisional to Application Number	:NA	3)Taufique H Baig
Filing Date	:NA	4)Ujwalkumar K Adhau
		5)Rupali Bodkhe
		6)Prachi A Jogi
		7)Pooja Amle

#### (57) Abstract:

INDIA is the Agricultural country and it has been Indias primary source of income and employment. Yet, very few technological applications have been directed towards the core process of farming. Most technological aids are in place for making better seeds, fertilizers and other chemical components. Still plouging and sowing are done by Tractor under manual supervision. So this project introduces the new technology i.e. related to agriculture. This technology implemented in the Automatic Seed Sowing Robot • which is a fully automated multi-purpose robot specially designed for sowing purpose which would find a significant place in the field of agriculture. This project is divided into two sections viz. one is bottom section which has two parrallel PMDC motor used for displacement of robot. Also it has two coupled plows blade are attached. Another section having microprocessor IC, it has self inbuilt timer which controlled two bottom motor and one seed insertion motor by proper co-ordination of time. Following invention is described in details with the help of Figure 1 of sheet 1 showing capacitors, Figure 2of sheet 2 showing thyristers, Figure 3 of sheet 3 showing Microcontroller IC.

No. of Pages: 17 No. of Claims: 5

(22) Date of filing of Application :02/08/2013

(43) Publication Date: 12/06/2015

# (54) Title of the invention : ANTENNA, ELECTRONIC APPARATUS WITH THE SAME, AND ANTENNA MANUFACTURING METHOD

(31) Priority Document No :10-201	Address of Applicant :129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, Republic of Korea. (72)Name of Inventor:
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## (57) Abstract:

An antenna includes a sintered body block with a predetermined magnetic permeability or a predetermined dielectric constant, the sintered body block having at least one air cavity; and an antenna pattern formed on a surface of the sintered body block.

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

(21) Application No.626/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/04/2013 (43) Publication Date: 12/06/2015

## (54) Title of the invention: PACKAGING AND DISPENSING OF DETERGENT COMPOSITIONS

(51) International :C11D17/00,B65D1/02,B65D41/26 classification

(31) Priority Document No :10187507.8

(32) Priority Date :14/10/2010 (33) Name of priority country: EPO

(86) International Application

:PCT/EP2011/065453 No

:07/09/2011 Filing Date

(87) International Publication :WO 2012/048955 No

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)UNILEVER PLC

Address of Applicant :41424 OF UNILEVER HOUSE, 100 VICTORIA EMBANKMENT, LONDON, EC4Y 0DY, UNITED

**KINGDOM** 

(72) Name of Inventor:

1)BONSALL Judith Maria 2) CHAPPLE Andrew Paul 3) HUBBARD John Francis

4)KENINGLEY Stephen Thomas

## (57) Abstract:

A packaged product comprising a combination of a concentrated particulate detergent composition (5) and a package (3) said package comprising a unitary dosing device and closure (9) and wherein at least 70 % by number of particles of the composition comprise a high surfactant core and a hard coating.

No. of Pages: 45 No. of Claims: 10

(21) Application No.758/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/04/2013 (43) Publication Date: 12/06/2015

### (54) Title of the invention: BIOERODIBLE SILICON BASED DEVICES FOR DELIVERY OF THERAPEUTIC AGENTS

(51) International classification :A61K9/00,A61K9/22,A61K9/50 (71)Name of Applicant : (31) Priority Document No :61/408934 (32) Priority Date :01/11/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2011/058774

No :01/11/2011 Filing Date

(87) International Publication No:WO 2012/061377

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)PSIVIDA US INC.

Address of Applicant: 400 Pleasant Street Watertown MA

02472 U.S.A.

2)PSIMEDICA LIMITED

3)PSIVIDA CORP.

(72)Name of Inventor:

1)ASHTON Paul 2) CANHAM Leigh T.

3)BARNETT Christian

## (57) Abstract:

This invention discloses bioerodible devices such as implants for delivering therapeutic agents particularly large molecules such as proteins and antibodies in a controlled manner. The devices comprise a porous silicon based carrier material impregnated with the therapeutic agent. The device may be used in vitro or in vivo to deliver the therapeutic agent preferably in a controlled fashion over an intended period of time such as over multiple days weeks or months. The device may be used for treating or preventing conditions of a patient such as chronic diseases.

No. of Pages: 49 No. of Claims: 66

(22) Date of filing of Application :30/04/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: HOT ROLLED STEEL SHEET FOR HIGH STRENGTH HOT DIP GALVANIZED STEEL SHEET OR HIGH STRENGTH ALLOYED HOT DIP GALVANIZED STEEL SHEET AND PROCESS 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>	:C22C38/00, B21B3/00, C21D9/46 :2011-1960 :17/11/2011 :Japan	(71)Name of Applicant:  1)JFE STEEL CORPORATION  Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chiyoda ku Tokyo 1000011 Japan (72)Name of Inventor:  1)MIYATA Mai
(86) International Application No Filing Date (87) International Publication No	:PCT/JP2012/007031 :02/11/2012 :WO 2013/073124	2)SUZUKI Yoshitsugu 3)NAGATAKI Yasunobu 4)KAWASAKI Yoshiyasu
(61) Patent of Addition to Application Number Filing Date	:NA :NA	5)SUGIHARA Hirokazu
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Provided is a hot rolled steel sheet from which a hot dip galvanized steel sheet and an alloyed hot dip galvanized steel sheet that have high strength (tensile strength TS of 540 MPa or higher) and an excellent surface appearance can be obtained. The hot rolled steel sheet has a composition containing 0.04 0.20 mass% C 0.7 2.3 mass% Si 0.8 2.8 mass% Mn up to 0.1 mass% P up to 0.01 mass% S up to 0.1 mass% Al and up to 0.008 mass% N with the remainder comprising Fe and incidental impurities and contains internal oxides containing at least one element selected from among Si Mn and Fe the internal oxides being present at the grain boundaries and in the grains of the base iron. Among the internal oxides the internal oxides present at the grain boundaries of the base iron are located within 5  $\mu$ m from the base iron surface and the difference in the depth to which those internal oxides have been formed is 2  $\mu$ m or smaller in the steel sheet width direction.

No. of Pages: 37 No. of Claims: 6

(21) Application No.1714/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/09/2013 (43) Publication Date: 12/06/2015

## (54) Title of the invention: FINISHING AGENT FOR TRIVALENT CHROMIUM CHEMICAL CONVERSION COATING FILM AND METHOD FOR FINISHING BLACK TRIVALENT CHROMIUM CHEMICAL CONVERSION COATING FILM

(51) International :C23C22/12,C23C22/18,C23C22/20

classification

(31) Priority Document No :2011-081758 (32) Priority Date :01/04/2011 (33) Name of priority country: Japan

(86) International Application :PCT/JP2012/058561

No

:30/03/2012 Filing Date

(87) International Publication: WO 2012/137680

(61) Patent of Addition to

:NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71)Name of Applicant:

1)DIPSOL CHEMICALS CO. LTD.

Address of Applicant: 7 12 Yaesu 2 chome Chuo ku Tokyo

1040028 Japan

(72) Name of Inventor: 1)INOUE Manabu 2)KOIKE Takashi

3)KASHIO Ryuta

### (57) Abstract:

The purpose of the present invention is to provide a water-soluble finishing agent for a trivalent chromium chemical conversion coating film, which has low insulation, no problems with tightening properties, outstanding gloss and high corrosion resistance, and can obtain a trivalent chromium chemical conversion coating film, especially a black trivalent chromium chemical conversion coating film, having few scratches and flaws. The finishing agent for a trivalent chromium chemical conversion coating film is characterized by containing a trivalent chromium source, a phosphate ion source, a zinc ion source, a chelating agent which can form a complex with trivalent chromium, and a non-ionic water-soluble polymer compound selected from a group comprising poly{vinyl alcohol} and derivatives thereof, poly(vinyl pyrrolidone) and derivatives thereof, poly(alkylene glycol)s and derivatives thereof, and cellulose ethers and derivatives thereof.

No. of Pages: 34 No. of Claims: 19

(22) Date of filing of Application :04/07/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: ARTICLE WITH CURVED PATTERNS FORMED OF ALIGNED PIGMENT FLAKES

<ul> <li>(51) International classification</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>	:B41M1/00 :61/585,954 :12/01/2012 :U.S.A. :PCT/US2013/020873 :09/01/2013 :WO 2013/106462 :NA :NA	(71)Name of Applicant:  1)JDS UNIPHASE CORPORATION Address of Applicant: 430 N. Mccarthy Boulevard Milpitas CA 95035 U.S.A. (72)Name of Inventor: 1)RAKSHA Vladimir P. 2)HYNES John 3)HOLDEN Laurence 4)COOMBS Paul G.
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### (57) Abstract:

In a printed article pigment flakes are magnetically aligned so as to form curved patterns in a plurality of cross sections normal a continuous imaginary line wherein radii of the curved patterns increase along the imaginary line from the first point to the second point. When light is incident upon the aligned pigment flakes from a light source light reflected from the aligned pattern forms a bright image which appears to gradually change its shape and move from one side of the continuous imaginary line to another side of the continuous imaginary line when the substrate is tilted with respect to the light source.

No. of Pages: 39 No. of Claims: 15

(22) Date of filing of Application :22/04/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: REGION OF INTEREST EXTRACTION

(51) International classification	:H04N5/232,H04N5/235	(71)Name of Applicant :
(31) Priority Document No	:12/912863	1)QUALCOMM INCORPORATED
(32) Priority Date	:27/10/2010	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/US2011/057746	(72)Name of Inventor:
Filing Date	:25/10/2011	1)VELARDE Ruben M.
(87) International Publication No	:WO 2012/058239	2)OSBORNE Thomas W.
(61) Patent of Addition to Application	:NA	3)HUNG Szepo Robert
Number	:NA	4)WANG Haiyin
Filing Date	.NA	5)LIANG Liang
(62) Divisional to Application Number	:NA	6)NOYES Ying X.
Filing Date	:NA	7)ATRERO Edward G.

### (57) Abstract:

An example image capture device determines a region of interest using a first image captured while a light source is powered off and a second image captured while a light source is powered on and uses the region of interest to automatically set configurations. In one example an image capture device includes a controlled light source an image sensor configured to capture images and a processing unit configured to cause the image sensor to capture a first image of a scene while the controlled light source is powered off cause the image sensor to capture a second image of the scene while the controlled light source is powered on calculate luminance differences between a plurality of regions in the first image and a plurality of collocated regions in the second image and determine that a region of interest includes those regions for which the luminance differences exceed a threshold.

No. of Pages: 40 No. of Claims: 43

(22) Date of filing of Application :23/04/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR TRANSMITTING CONTROL INFORMATION IN AN UPLINK MULTIPLE INPUT MULTIPLE OUTPUT TRANSMISSION

<ul> <li>(51) International classification</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> </ul>	:08/11/2011 :WO 2012/064778 :NA	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: Attn: International IP Administration  5775 Morehouse Drive San Diego California 92121 U.S.A.  (72)Name of Inventor:  1)SAMBHWANI Sharad Deepak  2)AKKARAKARAN Sony John
(61) Patent of Addition to Application	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Methods and apparatuses are provided for uplink MIMO transmissions in a wireless communication system. In particular a primary stream (610) may be utilized to carry a primary data channel E DPDCH (624) and a secondary stream (612) may be utilized to carry a secondary data channel S E DPDCH (620). Further the primary stream (610) may be precoded utilizing a primary precoding vector and the secondary stream (612) may be precoded utilizing a secondary precoding vector with coefficients orthogonal to those of the primary precoding vector. The primary stream may include an enhanced control channel E DPCCH (614) adapted to carry control information associated with both the primary data channel E DPDCH (624) and the secondary data channel S E DPDCH (620).

No. of Pages: 80 No. of Claims: 15

(21) Application No.792/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/04/2013 (43) Publication Date: 12/06/2015

## (54) Title of the invention: SYSTEM AND METHOD FOR TRAFFIC TO PILOT POWER DETERMINATION IN UPLINK MULTIPLE INPUT MULTIPLE OUTPUT TRANSMISSION

(51) International classification :H04W52/16,H04W52/32 (71)Name of Applicant : (31) Priority Document No :61/411454 (32) Priority Date :08/11/2010 (33) Name of priority country :U.S.A.

(86) International Application No :PCT/US2011/059826 Filing Date :08/11/2011 :WO 2012/064777

(87) International Publication No (61) Patent of Addition to Application :NA

Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

1)OUALCOMM Incorporated

Address of Applicant : Attn: International Ip Administration 5775 Morehouse Drive San Diego California 92121 U.S.A.

(72) Name of Inventor:

1)SAMBHWANI Sharad Deepak 2)AKKARAKARAN Sony John

#### (57) Abstract:

Methods and apparatuses are provided for uplink MIMO transmissions in a wireless communication system. In particular scheduled uplink transmission power is allocated between a primary stream (610) including an E DPDCH (624) and a secondary stream (612) including an S E DPDCH (620). Specifically a ratio between the power of the E DPDCH (624) and a primary pilot channel (622) DPCCH as well as a ratio between the power of the S E DPCCH (620) and an unboosted power (702) of the S DPCCH (618) each corresponds to a first traffic to pilot power ratio (704). Further the transport block size for a primary transport block provided on the E DPDCH (624) is determined based on the first traffic to pilot power ratio while the transport block size for a secondary transport block provided on the S E DPDCH (620) is determined based on a second traffic to pilot power ratio.

No. of Pages: 79 No. of Claims: 15

:NA

(19) INDIA

(22) Date of filing of Application :23/04/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: SYSTEM AND METHOD FOR UPLINK MULTIPLE INPUT MULTIPLE OUTPUT TRANSMISSION

(51) International (71)Name of Applicant: :H04W52/32,H04W52/16,H04L1/18 1)QUALCOMM INCORPORATED classification (31) Priority Document No Address of Applicant : Attn: International IP Administration :61/411454 (32) Priority Date 5775 Morehouse Drive San Diego California 92121 U.S.A. :08/11/2010 (72) Name of Inventor: (33) Name of priority country: U.S.A. (86) International 1)SAMBHWANI Sharad Deepak :PCT/US2011/059833 Application No 2)AKKARAKARAN Sony John :08/11/2011 Filing Date (87) International Publication :WO 2012/064784 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA

## (57) Abstract:

Application Number

Filing Date

Methods and apparatuses are provided for uplink MIMO transmissions in a wireless communication system. In some particular aspects scheduling of the uplink MIMO transmissions may make a determination between single stream rank=1 transmissions and dual stream rank=2 transmissions based on various factors. Further when switching between single and dual stream transmissions in the presence of HARQ retransmissions of failed packets the scheduling function may determine to transmit the HARQ retransmissions on a single stream transmission or to transmit the HARQ retransmissions on one stream while transmitting new packets on the other stream.

No. of Pages: 89 No. of Claims: 44

(21) Application No.2383/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : DETERMINING DAMAGE AND REMAINING USEFUL LIFE OF ROTATING MACHINERY INCLUDING DRIVE TRAINS GEARBOXES AND GENERATORS

<ul> <li>(51) International classification</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> </ul>	:1108476.1 :20/05/2011 :GB :PCT/GB2012/051154 :21/05/2012 :WO 2012/160371 :NA	(71)Name of Applicant:  1)ROMAX TECHNOLOGY LIMITED  Address of Applicant: Rutherford House Nottingham Science and Technology Park Nottingham Nottinghamshire NG7 2PZ U.K.  (72)Name of Inventor:  1)POON Andy  2)MA Xiaoqin  3)COULTATE John Karl
(61) Patent of Addition to Application		2)MA Xiaoqin

### (57) Abstract:

A method for predicting remaining useful life of a wind or water turbine or component determines in step (116) an accumulated damage for the turbine or component and compares this in step (118) to preset damage limit obtained in step (114). This provides a simple approach to estimating remaining useful life giving the turbine operator an indication of the condition of turbines or farms under management.

No. of Pages: 31 No. of Claims: 29

(21) Application No.2384/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :17/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : SUSTAINED RELEASE FORMULATIONS FOR DELIVERY OF PROTEINS TO THE EYE AND METHODS OF PREPARING SAME

(51) International classification :A61K39/395,A61K47/30,A61K9/08

(31) Priority Document No :61/495672

(32) Priority Date :10/06/2011
(33) Name of priority

country :U.S.A.

(86) International

Application No :PCT/US2012/041950 :11/06/2012

Filing Date

(87) International Publication No :WO 2013/036309

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant: 1)RAMSCOR INC.

Address of Applicant :180 Sand Hill Circle Menlo Park

California 94025 U.S.A.

2)ICON BIOSCIENCE INC.

(72)Name of Inventor:1)WONG Vernon G.2)WOOD Louis L.3)Glenn T. HUANG

### (57) Abstract:

The present invention provides for injectable pharmaceutical sustained release formulations for delivery of active agents particularly therapeutic proteins to the eye. The formulations are biocompatible biodegradable sustained release formulations comprising low solubility liquid excipients and relatively small amounts (less than about 10%) of biocompatible biodegradable polymer such as PLA or PLGA polymers. A unit dose of 5  $\mu$ L to 100  $\mu$ L of the formulation provides for sustained release of the agent for at least 14 days.

No. of Pages: 22 No. of Claims: 7

(21) Application No.8/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/01/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: NETWORK ASSISTED PEER DISCOVERY WITH NETWORK CODING

#### (57) Abstract:

Techniques for performing network assisted peer discovery with network coding are disclosed. For peer discovery with network coding a device may generate a network coded message based on a message assigned to the device and one or more messages received by the device from other devices. The device may transmit a proximity detection signal including the network coded message. For network assisted peer discovery with network coding the device may register with a network for peer discovery and may be provided with at least one parameter to use for peer discovery with network coding. The devices may perform peer discovery with network coding in accordance with the peer discovery parameter(s) received from the network. The device may generate a network coded message based on the at least one peer discovery parameter and may transmit the network coded message to enable other devices to detect the device.

No. of Pages: 57 No. of Claims: 60

(21) Application No.619/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/04/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: LAUNDRY DETERGENT PARTICLES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:C11D17/00,C11D3/40,C11D3/04 :10187511.0 :14/10/2010	(71)Name of Applicant: 1)UNILEVER PLC Address of Applicant: 41424 OF UNILEVER HOUSE, 100
(33) Name of priority country	:EPO	VICTORIA EMBANKMENT, LONDON, EC4Y 0DY, UNITED
(86) International Application No Filing Date (87) International Publication No	:PCT/EP2011/065150 :01/09/2011 :WO 2012/048948	KINGDOM (72)Name of Inventor: 1)BATCHELOR Stephen Norman 2)CHAPPLE Andrew Paul 3)KENINGLEY Stephen Thomas
<ul> <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>	:NA :NA :NA	

## (57) Abstract:

The present invention provides a coated lenticular or disc detergent particle having perpendicular dimensions x y and z wherein x is from 1 to 2 mm y is from 2 to 8 mm and z is from 2 to 8 mm wherein the particle comprises: (i) from 40 to 90 wt % surfactant selected from anionic surfactant and non ionic surfactant; (ii) from 1 to 40 wt % water soluble inorganic salts; and (iii) from 0.0001 to 0.1 wt % dye wherein the dye is covalently bound to from 1 to 4 sulphonate groups wherein the inorganic salts and the dye are present on the detergent particle as a coating and the surfactant is present as a core.

No. of Pages: 34 No. of Claims: 21

(21) Application No.625/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/04/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: LAUNDRY DETERGENT PARTICLES

(31) Priority Document No	:C11D3/08,C11D3/10,C11D17/00 :10187520.1	1)UNILEVER PLC
(32) Priority Date	:14/10/2010	Address of Applicant :41424 OF UNILEVER HOUSE, 100
(33) Name of priority country	:EPO	VICTORIA EMBANKMENT, LONDON, EC4Y 0DY, UNITED
(86) International Application No Filing Date	:PCT/EP2011/067735 :11/10/2011	KINGDOM (72)Name of Inventor: 1)BONSALL Judith Maria
(87) International Publication No	:WO 2012/049178	2)KENINGLEY Stephen Thomas 3)MOORE Philip Ronald
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A coated detergent particle having perpendicular dimensions x y and z wherein x is from 1 to 2mm y is from 2 to 8mm and z is from 2 to 8mm wherein the particle comprises: (i) from 40 to 90 wt% surfactant selected from: anionic surfactant; and non ionic surfactant; (ii) from 20 to 40 wt% water soluble inorganic salts the water soluble inorganic salts a mixture of sodium carbonate and sodium silicate; and (iii) from 0 to 3 wt% of a perfume wherein the inorganic salts are present on the detergent particle as a coating and the surfactant is present as a core and sodium carbonate and sodium silicate comprise from 70 to 100 wt% of the coating and the ratio of sodium carbonate: sodium silicate is in the range from 4:1 to 2:3.

No. of Pages: 21 No. of Claims: 13

(21) Application No.617/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/04/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: PARTICULATE DETERGENT COMPOSITIONS COMPRISING FLUORESCER

(51) International classification	:C11D3/02,C11D3/42,C11D17/00	(71)Name of Applicant:
(31) Priority Document No	:10187495.6	1)UNILEVER PLC
(32) Priority Date	:14/10/2010	Address of Applicant :41424 OF UNILEVER HOUSE, 100
(33) Name of priority country	:EPO	VICTORIA EMBANKMENT, LONDON, EC4Y 0DY, UNITED
(86) International Application	.DCT/ED2011/065124	KINGDOM
No	:PCT/EP2011/065124	(72)Name of Inventor:
Filing Date	:01/09/2011	1)KENINGLEY Stephen Thomas
(87) International Publication No	:WO 2012/048945	
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A particulate detergent composition comprising sulphonated fluorescer wherein the composition comprises greater than 40 wt% detergent surfactant at least 70 % by number of the particles comprising a core comprising mainly surfactant and around the core a coating comprising water soluble inorganic salt and sulphonated fluorescer each particle having perpendicular dimensions x y and z wherein x is from 0.2 to 2 mm y is from 2.5 to 8 mm and z is from 2.5 to 8 mm.

No. of Pages: 33 No. of Claims: 13

(21) Application No.618/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/04/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: EXTERNALLY STRUCTURED AQUEOUS DETERGENT LIQUID

(51) International classification :C11D3/386,C11D3/382,C11D3/37

(31) Priority Document No :10188472.4

(32) Priority Date :22/10/2010(33) Name of priority country :EPO

(86) International Application :PCT/EP2011/067549

No Filing Date :07/10/2011

(87) International Publication :WO 2012/052306

(61) Patent of Addition to Application Number :NA

Application Number
Filing Date
(62) Divisional to Application

(62) Divisional to Application Number :NA Filing Date :NA (71)Name of Applicant:

1)UNILEVER PLC

Address of Applicant :41424 OF UNILEVER HOUSE, 100 VICTORIA EMBANKMENT, LONDON, EC4Y 0DY, UNITED

KINGDOM

(72) Name of Inventor:

1)BAKER Michael Richard 2)BRENNAN Lee James

3)CLARKE Julian Peter Woodbury

4)KOWALSKI Adam Jan 5)PARRY Neil James 6)ROBERTS Geraint Paul 7)SERRIDGE David

(57) Abstract:

A structured aqueous liquid detergent composition comprising: at least 10 wt% water at least 0.5 wt% surfactant at least 0.0001 wt% of enzyme selected from lipase cellulase and mixtures thereof. an external structurant characterised in that the external structurant comprises at least 0.15 wt% preferably at least 0.2% citrus fibre that has been mechanically pulped and swollen in water.

No. of Pages: 46 No. of Claims: 15

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: PHARMACEUTICAL COMPOSITIONS OF LEVODOPA AND CARBIDOPA

<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>	:A61K31/198, A61K31/195 :NA :NA	(71)Name of Applicant:  1)CADILA HEALTHCARE LIMITED  Address of Applicant:SARKHEJ-BAVLA N.H. NO. 8A, MORAIYA, TAL. SANAND, DIST. AHMEDABAD-382210, GUJARAT, INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KULKARNI SUSHRUT KRISHNAJI
(87) International Publication No	: NA	2)MEHTA PAVAK RAJNIKANT
(61) Patent of Addition to Application Number	:NA	3)KOCHAR SAMEER SAGAR
Filing Date	:NA	4)PATEL KRISHNAKUMAR VINUBHAI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to pharmaceutical compositions of Levodopa and Carbidopa. In particular, the invention relates to modified release pharmaceutical compositions of Levodopa and Carbidopa with at least one organic acidic excipient. The invention also relates to processes for the preparation of such compositions and use thereof for treatment of ParkinsonTMs disease.

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

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: A CLOSED CONTACT HEATER ASSEMBLY FOR HEAT TREATMENT OF YARN

	D0011/00	
(74) 7		(71)Name of Applicant:
(51) International classification	D02G1/02,	
	D02J13/00	Address of Applicant :THE FARRIERS, THE COURTYARD,
(31) Priority Document No	:NA	SWETTENHAM, CONGLETON CHESHIRES CW12 2JZ,
(32) Priority Date	:NA	ENGLAND U.K.
(33) Name of priority country	:NA	2)HIMSON TEXTILE ENGINEERING INDUSTRIES
(86) International Application No	:NA	PVT. LTD.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)HINCHLIFFE, MALCOLM GEOFFREY
(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 discloses a closed heater type contact heater assembly that facilitates a heat treatment to yarn having a quality of an open heater type contact heater. The contact heater assembly includes a heater tube having a liner tube incorporating contiguous small radius lead in and lead out yarn guiding surfaces. These small radius yarn guiding surfaces desensitise the setting of the yarn control means allowing full and consistent contact of yarn on the closed contact heater assembly. The yarn guiding surfaces may be resiliency mounted to ensure accurate mating of said guiding surfaces to the liner tube thereby automatically compensating for a plurality of tolerance errors thereof. The small radius guiding surface forms a contiguous entry and exit section having radii substantially smaller than a longitudinal radius of a contact surface of the heater tube.

No. of Pages: 24 No. of Claims: 11

(22) Date of filing of Application :05/08/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: FOLDING KEYBOARD ON HARDBOARD WITH DETACHABLE TOUCH MOUSE PAD

	:H04B1/38,	(71)Name of Applicant:
(51) International classification	H05K5/00,	,
	H04M1/02	Address of Applicant :4-SURMYA DUPLEX, OPP. KADAM
(31) Priority Document No	:NA	NAGRI SOCIETY, NEAR RAMDEV PIR TEMPLE, PIJ ROAD,
(32) Priority Date	:NA	NADIAD-387002, GUJARAT, INDIA
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)NANDAN KIRANBHAI SHAH
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 folding keyboard on hardboard with detachable touch mouse pad system. Here folding occurs in eight sections and in two categories like horizontal folding and vertical folding. The first four sections are subsection and another four sections are main sections. The four subsection folds horizontally on respective main sections. Thereafter four main sections folds vertically on each other. Each section and subsections join with each other with help of hinge mechanism. The keyboard circuit is divided into each sections and each of the divided circuit is interconnected through interconnectors.

No. of Pages: 21 No. of Claims: 8

(22) Date of filing of Application :21/12/2012 (43) Publication Date : 12/06/2015

## (54) Title of the invention: PROCESS AND APPARATUS FOR PRODUCING PACKETS

(51) International classification	:B65B29/02	(71)Name of Applicant:
(31) Priority Document No	:10168701.0	1)HINDUSTAN UNILEVER LIMITED
(32) Priority Date	:07/07/2010	Address of Applicant :Unilever House B.D. Sawant Marg
(33) Name of priority country	:EPO	Chakala Andheri East Mumbai 400 099 Maharashtra India
(86) International Application No	:PCT/EP2011/060880	(72)Name of Inventor:
Filing Date	:29/06/2011	1)FORD Thomas David Reid
(87) International Publication No	:WO 2012/004169	2)HOWARTH James Robert Stirling
(61) Patent of Addition to Application	:NA	3)WOODWARD Adrian Michael
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A process for sequentially forming a plurality of enclosed containers (32) comprising a product the process involving passing a continuous web (10) comprising a strip of container material having two opposing edges (4 6) to a folding station (12) whereupon each open container is sequentially formed by folding the web to bring into contact two contiguous edge portions (9a 9b) from only one edge of the web then sealing the two edges together to form a portion of the web into an open container depositing the product onto the web so that it is held within the open containers and then sealing the open containers to form the enclosed containers.

No. of Pages: 19 No. of Claims: 18

(21) Application No.622/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/04/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: LAUNDRY DETERGENT PARTICLES

(31) Priority Document No	:C11D17/00,C11D3/40,C11D3/02 :10187513.6	1)UNILEVER PLC
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:14/10/2010 :EPO	Address of Applicant :41424 OF UNILEVER HOUSE, 100 VICTORIA EMBANKMENT, LONDON, EC4Y 0DY, UNITED
<ul><li>(86) International Application</li><li>No</li><li>Filing Date</li><li>(87) International Publication</li></ul>	:PCT/EP2011/065153 :01/09/2011 :WO 2012/048950	KINGDOM (72)Name of Inventor: 1)BATCHELOR Stephen Norman 2)CHAPPLE Andrew Paul
No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	3)KENINGLEY Stephen Thomas 4)ROSEBLADE Jennifer Sian

### (57) Abstract:

The present invention provides a coated lenticular or disc detergent particle having maximum perpendicular dimensions x y and z wherein x is from 1 to 2 mm y is from 2 to 8 mm and z is from 2 to 8 mm wherein the particle comprises: (i) from 40 to 90 wt % surfactant selected from: anionic surfactant; and non ionic surfactant; (ii) from 1 to 40 wt % water soluble inorganic salts; and (iii) from 0. 0001 to 0.1 wt % dye wherein the dye is selected from: anionic dyes; and non ionic dyes wherein the inorganic salts are present on the detergent particle as a coating and the surfactant and the dye are present as a core.

No. of Pages: 28 No. of Claims: 22

(21) Application No.623/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/04/2013 (43) Publication Date: 12/06/2015

# (54) Title of the invention: LAUNDRY DETERGENT PARTICLES

:C11D3/40,C11D3/04,C11D3/08 (71)Name of Applicant : (51) International classification (31) Priority Document No :10187514.4

(32) Priority Date :14/10/2010 (33) Name of priority country :EPO

(86) International Application No:PCT/EP2011/065154

Filing Date :01/09/2011

(87) International Publication No: WO 2012/048951

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)UNILEVER PLC

Address of Applicant: 41424 OF UNILEVER HOUSE, 100 VICTORIA EMBANKMENT, LONDON, EC4Y 0DY, UNITED

**KINGDOM** 

(72) Name of Inventor:

1)BATCHELOR Stephen Norman

2)CHAPPLE Andrew Paul

3)KENINGLEY Stephen Thomas

#### (57) Abstract:

The present invention provides a lenticular or disc coated detergent particle having perpendicular dimensions x y and z wherein x is from 1 to 2 mm y is from 2 to 8 mm and z is from 2 to 8 mm wherein the particle comprises: (i) from 40 to 90 wt % surfactant selected from anionic surfactant and non ionic surfactant; (ii) from 1 to 40 wt % water soluble inorganic salts; and (iii) from 0.0001 to 0.5 wt % pigment wherein the pigment is selected from organic and inorganic pigments wherein the inorganic salts and the pigment are present on the detergent particle as a coating and the surfactant is present as a core.

No. of Pages: 25 No. of Claims: 18

(21) Application No.811/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :25/04/2013 (43) Publication Date : 12/06/2015

:NA

# (54) Title of the invention : INTERMEDIATE COMPOUNDS AND PROCESSES FOR THE PREPARATION OF QUINOLINE DERIVATIVES SUCH AS LAQUINIMOD SODIUM

(51) International classification	:A01N43/42,A61K31/47	(71)Name of Applicant:
(31) Priority Document No	:61/417431	1)MAPI PHARMA LTD.
(32) Priority Date	:28/11/2010	Address of Applicant :16 Einstein Street Weizmann Science
(33) Name of priority country	:U.S.A.	Park P.O. Box 4113 74140 Ness Ziona Israel
(86) International Application No	:PCT/IL2011/050030	(72)Name of Inventor:
Filing Date	:28/11/2011	1)MAROM Ehud
(87) International Publication No	:WO 2012/070051	2)MIZHIRITSKII Michael
(61) Patent of Addition to Application	:NA	3)RUBNOV Shai
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	

### (57) Abstract:

Filing Date

The present invention relates to processes for the preparation of quinoline 3 carboxamide derivatives such as sodium 5 chloro 3 (ethylphenylcarbamoyl) 1 methyl 2 oxo 1 2 dihydroquinolin 4 olate (Laquinimod sodium). The present invention further relates to intermediates formed in such processes.

No. of Pages: 38 No. of Claims: 34

(22) Date of filing of Application :28/06/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: A METHOD AND SYSTEM FOR RATING AND RANKING OF TV PROGRAMS

<ul> <li>(51) International classification</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>	:H04H60/33, H04N7/173 :NA :NA :NA :NA	(71)Name of Applicant:  1)WHATS ON INDIA MEDIA PRIVATE LIMITED  Address of Applicant: A WING, 3RD FLOOR, TODI ESTATE, SUN MILL COMPOUND, OPP. PHOENIX MILLS, LOWER PAREL, MUMBAI 400013, MAHARASHTRA, INDIA (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:NA : NA :NA :NA	1)ATUL PHADNIS
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Accordingly it is a principle object of the present invention to overcome the disadvantages and limitations of prior art methods and systems and provide an integrated method and system for Rating and Ranking of Programs,. In accordance with the principles of the present invention wherein the system will carry associative functions of the method for Rating and Ranking of programs. It is yet another object of the present invention to provide platform for providing program ratings and rankings for future viewership i.e. for guiding viewers on what program to watch.

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

(22) Date of filing of Application :26/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: ACRYLIC THERMOPLASTIC RESIN COMPOSITION AND MOLDED ARTICLE THEREOF

(51) International classification :C08L33/12,C08F220/18,C08F222/40

(31) Priority Document No :2011-147330 (32) Priority Date :01/07/2011

(33) Name of priority country :Japan

(86) International :PCT/JP2012/066550

Application No Filing Date :28/06/2012

(87) International :WO 2013/005634

Publication No
(61) Patent of Addition to
Application Number
Filing Date
:NA
:NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)Asahi Kasei Chemicals Corporation

Address of Applicant :1 105 Kanda Jinbocho Chiyoda ku

Tokyo 1018101 Japan (72)Name of Inventor:
1)YONEMURA Masami
2)KIMURA Mayuko

### (57) Abstract:

Provided is an acrylic thermoplastic resin composition comprising a first acrylic resin having first structural units represented by formula (1) and second structural units represented by formula (2) and a second acrylic resin having first structural units represented by formula (3), wherein in terms of the total amount of first acrylic resin and second acrylic resin, the total content of the first units is 50 to 95 mass% and the total content of second structural units and third structural units is 5 to 50 mass%.

No. of Pages: 95 No. of Claims: 22

(22) Date of filing of Application :10/01/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : APPARATUS AND METHOD FOR ENHANCED IN STORE SHOPPING SERVICES USING MOBILE DEVICE

		(71)Name of Applicant:
(51) International alogaification	.06020/00	1)QUALCOMM INCORPORATED
(51) International classification	:G06Q30/00	Address of Applicant :Attn: International IP Administration
(31) Priority Document No	:61/500604	5775 Morehouse Drive San Diego CA 92121 U.S.A.
(32) Priority Date	:23/06/2011	(72)Name of Inventor:
(33) Name of priority country	:U.S.A.	1)STATLER Stephen B.
(86) International Application No	:PCT/US2012/040869	2)HALKER Ravi
Filing Date	:05/06/2012	3)KRAAR Eric R.
(87) International Publication No	:WO 2012/177382	4)KIES Jonathan K.
(61) Patent of Addition to Application	:NA	5)GUEST Daniel J.
Number		6)YOUNG Frank T.
Filing Date	:NA	7)WALDRON Kenneth
(62) Divisional to Application Number	:NA	8)GANTT Michele O.
Filing Date	:NA	9)DEVARAJAN Ravikumar
-		10)GANDHI Ketal V.
		11)PIRACHA Atif J.

### (57) Abstract:

Apparatus and methods are provided for offering shopping assistance tools. The tools may be used by developers to create enhanced in store customer shopping applications. The shopping assistance tools provide in store navigation customer assistance and inventory management services.

No. of Pages: 49 No. of Claims: 48

(21) Application No.750/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/04/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: LOW POWER AUDIO DECODING AND PLAYBACK USING CACHED IMAGES

<ul> <li>(51) International classification</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>	:14/10/2011 :WO 2012/051579 :NA :NA	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: Attn: International IP Administration  5775 Morehouse Drive San Diego California 92121 U.S.A.  (72)Name of Inventor:  1)CASTELLOE Michael Warren
Filing Date	:NA	

#### (57) Abstract:

A particular method includes loading one or more memory images into a multi way cache. The memory images are associated with an audio decoder and the multi way cache is accessible to a processor. Each of the memory images is sized not to exceed a page size of the multi way cache.

No. of Pages: 44 No. of Claims: 44

(21) Application No.751/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/04/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PHYSICAL LAYER POWER SAVE FACILITY

(31) Priority Document No :61/411905 (32) Priority Date :09/11/2010 (33) Name of priority country :U.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)WENTINK Maarten Menzo</li> </ul>
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#### (57) Abstract:

Certain aspects of the present disclosure propose a method to transmit information in unused fields of a physical layer header to improve performance of the system. The proposed method transmits during single user transmission a portion of the basic service set identifier (BSSID) of an access point in a field of a header that is usually used to indicate number of space time streams (Nsts).

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

(21) Application No.816/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/04/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: ZERO CALORIE POLYPHENOL AQUEOUS DISPERSIONS

<ul> <li>(51) International classification</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>	:A23L1/30, A23L2/52, A61K31/353 :13/307405 :30/11/2011 :U.S.A. :PCT/US2012/066723 :28/11/2012 :WO 2013/082065 :NA :NA	(71)Name of Applicant:  1)PEPSICO INC.  Address of Applicant:700 Anderson Hill Road Purchase New York 10577 U.S.A.  (72)Name of Inventor:  1)ZHANG Naijie  2)MUTILANGI William
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A method for stably dispersing microparticulated water insoluble bioactive polyphenol in a beverage by combining the bioactive polyphenol dissolved in an alkaline solution with an aqueous solution of at least one dispersion stabilizer. A composition comprising dispersed microparticulated water insoluble bioactive polyphenol(s) and a dispersion stabilizer.

No. of Pages: 24 No. of Claims: 14

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A COAL DRYING SYSTEM

(51) International classification	:F26B15/24, F26B21/02, F22B1/00, F26B3	(71)Name of Applicant: 1)THE TATA POWER COMPANY LIMITED Address of Applicant: BOMBAY HOUSE, 24, HOMI MODY STREET, MUMBAI - 400001, MAHARASHTRA, INDIA
(31) Priority Document No	:NA	(72)Name of Inventor:
(32) Priority Date	:NA	1)PATKAR AVINASH NANDKISHOR
(33) Name of priority country	:NA	2)GUPTA PRASHANT PRADEEP
(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 system (100) for drying coal is disclosed. The system comprises a jacketed conveyor (103) including conveying means (104) and jacketing means (128) at least partially encasing the conveying means (104). The conveying means (104) receive a coal feedstock and a flow of a moisture sweeping medium in countercurrent flow to each other, and a primary drying medium is passed through the jacketing means (128). The primary drying medium evaporates the moisture from the coal feedstock; this moisture is carried away by the moisture sweeping medium to provide dried coal. The system can be employed with a power plant using coal to produce electric energy.

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

(51) International

(32) Priority Date

(86) International

(87) International

Publication No

Application No

(33) Name of priority

Filing Date

**Application Number** 

Filing Date

Application Number

Filing Date

(62) Divisional to

(61) Patent of Addition to :NA

(31) Priority Document

classification

country

(22) Date of filing of Application :21/11/2012

(43) Publication Date: 12/06/2015

#### (54) Title of the invention: PYRAZOLYL QUINAZOLINE KINASE INHIBITORS

:C07D403/04,C07D403/14,C07D405/14

:1007286.6

:30/04/2010

:28/04/2011

:PCT/GB2011/050851

:WO 2011/135376

:U.K.

:NA

:NA

:NA

(71)Name of Applicant:

1)ASTEX THERAPEUTICS LIMITED

Address of Applicant :436 Cambridge Science Park Milton

Road Cambridge Cambridgeshire CB4 0QA U.K.

(72)Name of Inventor:

1)SAXTY Gordon

2)MURRAY Christopher William

3)BERDINI Valerio

4)BESONG Gilbert Ebai

5)HAMLETT Christopher Charles Frederick

6)JOHNSON Christopher Norbert

7)WOODHEAD Steven John

8) READER Michael

9) REES David Charles

10)MEVELLEC Laurence Anne

11)ANGIBAUD Patrick Ren

12)FREYNE Eddy Jean Edgard

13)GOVAERTS Tom Cornelis Hortense

14)WEERTS Johan Erwin Edmond

15)PERERA Timothy Pietro Suren

16)GILISSEN Ronaldus Arnodus Hendrika Joseph

17)WROBLOWSKI Berthold

18)LACRAMPE Jean Fernand Armand

19)PAPANIKOS Alexandra

20) OUEROLLE Oliver Alexis Georges

21)PASQUIER Elisabeth Thr"se Jeanne

22)PILATTE Isabelle No«lle Constance

23)BONNET Pascal Ghislain Andr

24) EMBRECHTS Werner Constant Johan

25)AKKARI Rhalid

26)MEERPOEL Lieven

#### (57) Abstract:

The invention relates to new quinoxaline derivative compounds to pharmaceutical compositions comprising said compounds to processes for the preparation of said compounds and to the use of said compounds in the treatment of diseases e.g. cancer.

No. of Pages: 493 No. of Claims: 25

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : SOLAR POWERED PREFABRICATED INSULATED PLATE WITH HEATING SYSTEM FOR BIO GAS UNIT DIGESTERS

(51) International classification	:C12M1/107	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DEEPAK K SOLANKI
(32) Priority Date	:NA	Address of Applicant :POST BAG: 1137, VASCO POST
(33) Name of priority country	:NA	OFFICE, VASCO-DA-GAMA, GOA- 403802. Goa India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)DEEPAK K SOLANKI
(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 UNIT DEVICE is USEFUL to Maintain Heating Temperature at +20 °C TO 65 °C at ambient temperature of 30 °C to 40 °C As operating temperature for anaerobic digestive process to mature the sludge in economic way.

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

(21) Application No.2593/MUM/2013 A

(19) INDIA

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SOLAR POWERED COOL OR WARM WATER GEYSER

	:F24J2/46,	(71)Name of Applicant:
(51) International classification	F24J2/48,F24H	1 /
	1/18	Address of Applicant :POST BAG NO. 1137, VASCO POST
(31) Priority Document No	:NA	OFFICE, VASCO GOA -403802 Goa India
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)DEEPAK K SOLANKI
(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 UNIT DEVICE SOLAR POWERED COOL OR WARM WATER GEYSER USEFUL FOR HEALTHY BATHING THE WATER TEMPERATURE CAN BE MAINTAIN FROM  $25^{\circ}$ C TO  $40^{\circ}$ C. IT SHALL BE MORE USEFUL IN HOT REGIONS AND DURING HOT SEASON PERIODS.

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

(21) Application No.3206/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :05/05/2013 (43) Publication Date : 12/06/2015

(54) Title of the invention: Z RING

<ul> <li>(51) International classification</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</li> </ul>	:A99Z 99/00,E01F13/00,E01F15/00 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)FIRST TECH Address of Applicant: B-36 ABHIMANSHREE SOCIETY, PASHAN ROAD, PUNE 411 008, INDIA. Maharashtra India (72)Name of Inventor: 1)MUHAMMAD FASIHUDDIN MAKKI
Filing Date	:NA	

# (57) Abstract:

A portable protective barrier Z Ring of 3 meters length, 2 meters width, 10 cm diameter, with handles fixed to the inner wall at a distance of 60 cm for the safety of the VIP, within the safe confines of which the VIP can be moved safely even if surrounded by a large number of people. The Z ring may be carried on vehicle or helicopter to be used at the point of interest.

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

:NA

(21) Application No.753/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/04/2013 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: MEANS FOR SUPPLYING OIL FROM A TANK CONTAINING HEAVY FUEL OIL

(51) International (71)Name of Applicant: :F17D1/18,B60K15/077,F02M21/10 classification 1)OCTAGONE AS (31) Priority Document No :20101448 Address of Applicant : Postboks 41 Teie N 3106 N tter y (32) Priority Date :22/10/2010 Norway (33) Name of priority country: Norway (72) Name of Inventor: (86) International Application: PCT/NO2011/000299 1)VALLE Ketil :21/10/2011 Filing Date (87) International Publication :WO 2012/053900 No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** 

#### (57) Abstract:

Filing Date

Means for supplying fuel from a storage tank (1) containing heavy fuel oil said means comprising a collector (2) arranged above at least part of a heating device such as a heating coil (3 4) within said storage tank (1) said collector (2) having the shape of a hat or a cap with an open bottom said collector (2) thereby collecting heated oil ascending from the heating coil (3 4) whereby heated oil in the collector (2) is captured by a suction device (5 6) within the collector (2) to be transported to a consumer outside the storage tank (1) by a fuel pump (7).

No. of Pages: 7 No. of Claims: 3

(22) Date of filing of Application :30/04/2014 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: INTERACTION SYSTEM AND METHOD FOR SMART TELEVISION

<ul> <li>(51) International classification</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>	:H04N21/422, H04N21/443, H04W84/12 :NA :NA :NA :PCT/CN2013/071186 :31/01/2013 :WO 2014/117356 :NA :NA :NA	(71)Name of Applicant:  1)SHENZHEN COOCAA NETWORK TECHNOLOGY CO. LTD.  Address of Applicant: Room 803Suite A Skyworth Bldg Ave. 1. S Gaoxin Hi tech Industrial Park Nanshan Shenzhen Guangdong 518057 China (72)Name of Inventor:  1)WANG Zhiguo 2)ZENG Xianhui 3)LIU Jia
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#### (57) Abstract:

The present invention is suitable for the technical field of household appliances and provides an interaction system and method for a smart television. The system comprises: a homepage display device used for displaying and classifying in a suspension manner and being linked to a preview display device and a list display device through classification linkages; the preview display device used for displaying and classifying brief information and pictures of corresponding content in a preview region in a suspension manner; and the list display device used for displaying and classifying the corresponding content and time corresponding to the content through a list in a suspension manner. In the embodiments of the present invention a webpage is displayed in a suspension manner through a suspension display device; therefore a current user may not be disturbed in a process of switching program content; and the displayed content of a homepage is classified and the displayed content is linked to the devices through the classification linkages so switching of programs is convenient.

No. of Pages: 23 No. of Claims: 7

(21) Application No.818/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/04/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: METHOD FOR MANUFACTURING COKE

(51) Intermetional alogaification	:C10B57/04	(71) Name of Applicant
(51) International classification	:C10b3 //04	(71)Name of Applicant:
(31) Priority Document No	:2011-226496	1)JFE STEEL CORPORATION
(32) Priority Date	:14/10/2011	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/JP2012/006526	(72)Name of Inventor:
Filing Date	:11/10/2012	1)FUKADA Kiyoshi
(87) International Publication No	:WO 2013/054526	2)SUMI Hiroyuki
(61) Patent of Addition to Application	:NA	3)SHIMOYAMA Izumi
Number	:NA	4)ANYASHIKI Takashi
Filing Date	:NA	5)FUJIMOTO Hidekazu
(62) Divisional to Application Number	:NA	6)YAMAMOTO Tetsuya
Filing Date	:NA	7)DOHI Yusuke

#### (57) Abstract:

Coke is manufactured by combining two or more types of coal to form a mixed coal and then dry distilling this mixed coal. The interfacial tension between the coals is used as an indicator for determining the mixing proportions of the coals when mixing. The coke strength can be improved without increasing the raw material costs of the mixed coal.

No. of Pages: 71 No. of Claims: 10

(22) Date of filing of Application :06/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A PROCESS FOR PREPARING DEHYDROATOVAQUONE

(51) International classification  (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (82) Divisional to Application Number (83) International Publication No (84) Patent of Addition to Application Number (85) International Publication Number (86) Patent of Addition to Application Number (87) International Publication Number (87) International Publication Number (88) International Publication Number (89) International Publication Number (81) Patent of Addition to Application Number (81) International Classification (82) International Classification (83) Priority Document No (84) International Classification (85) International Classification (86) International Application No (87) International Publication No (87) International Publication No (88) International Publication No (89) International Publication No (80) International Publication No (81) Patent of Addition to Application Number (81) International Publication No (82) International Publication No (83) International Publication No (84) Patent of Addition to Application Number (85) International Publication No (86) International Publication No (87) International Publication No (87) International Publication No (87) International Publication No (88) International Publication No (89) International Publication No (80) International Publication No (80) International Publication No (80) International Publication No (81) International Publication No (82) International Publication No (83) International Publication No (84) International Publication No (85) International Publication No (86) International Publication No (87) International Publication No (87) International Publication No (87) International Publication No (88) International Publication No (89) International Publication No (80) International Publication No (80) International Publication No (80) International Publication No (80) International Pub	50/32, (71)Name of Applicant: 1)WOCKHARDT LTD Address of Applicant: D-4, MIDC CHIKALTHANA AURANGABAD Maharashtra India (72)Name of Inventor: 1)Deo,Keshav 2)Merwade, Arvind Yekanathsa 3)Rafeeq, Mohammad 4)Diwan,Furqan Mohammed 5)Chaniyara, Ravi
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⁽⁵⁷⁾ Abstract:

The present invention relates to a process for preparing dehydroatovaquone of Formula II, which is useful as intermediate and reference marker for atovaquone. Formula II

No. of Pages: 10 No. of Claims: 7

(22) Date of filing of Application :27/04/2011 (43) Publication Date : 12/06/2015

# (54) Title of the invention: HIGH STRENGTH PROPPANTS

(51) International classification	:C04B 35/14, C04B 35/10	(71)Name of Applicant: 1)SAINT-GOBAIN CERAMICS & PLASTICS, INC.
(31) Priority Document No	:12/262,790	Address of Applicant :P.O.BOX 15008, ONE NEW BOND
(32) Priority Date	:31/10/2008	STREET, INTELLECTUAL PROPERTY DEPARTMENT,
(33) Name of priority country	:U.S.A.	WORCESTER, MASSACHUSETTS 01615-0008. U.S.A.
(86) International Application No	:PCT/US09/062832	(72)Name of Inventor:
Filing Date	:30/10/2009	1)SAN-MIGUEL, LAURIE
(87) International Publication No	:WO2010/051481A2	2)DICKSON, KEVIN, R.
(61) Patent of Addition to Application	:NA	3)FUSS, TIHANA
Number	:NA	4)STEPHENS, WALTER, T.
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A sintered ceramic particle made from a ceramic material having a true density greater than 3.5 g/cc and a composition having no more than 30 weight percent silicon oxide and at least 15 weight percent iron oxide, based on the combined weight of the oxides of aluminum, iron and silicon, is disclosed. A proces that utilizes an externally applied compressive force to make a ceramic particle is also disclosed.

No. of Pages: 21 No. of Claims: 19

(22) Date of filing of Application :07/08/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A FILM CASTING MACHINE FOR MAKING MOUTH DISSOLVING FILM

(51) International classification	:B29C47/88,	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MR. RAJKUMAR BUDHRAJA
(32) Priority Date	:NA	Address of Applicant :2B/34, WINDMERE BLDG., NEW
(33) Name of priority country	:NA	LINK ROAD, NEAR OSHIWARA POLICE STATION,
(86) International Application No	:NA	ANDHERI-WEST, MUMBAI-400053 Maharashtra India
Filing Date	:NA	2)MR. UMANG BUDHRAJA
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)MR. RAJKUMAR BUDHRAJA
Filing Date	:NA	2)MR. UMANG BUDHRAJA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A Single or multiple film casting assembly comprising right side film casting machine and left side film casting machine, where each film casting machine comprising 1) Substract Holding Roller, 2) Charging Port 3) Lamina Flow Fan, 4) one or more Heater, 5) Substract winding roller and 6) Film winding roller. Where the complete assembly to all above mentioned equipments work in a fully automatic and interlocked manner for continuous Film production. The assembly ensures continuous manufacturing of film without any stoppage. The Film manufactured by film casting machine can be used in oral and personal care products, pharmaceutical, alternative medicines, cosmoceutical, dyes and pigments, organic and inorganic material and such other industrial products.

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

(21) Application No.822/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :30/04/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : NATURAL CIRCULATION SOLAR SYSTEM WITH VACUUM TUBES WITH AN ACCUMULATION TANK CAVITY

<ul> <li>(51) International classification</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>	:F24J2/05,F24J2/34,F24J2/44 :NA :NA :NA :NA :PCT/IT2011/000375 :11/11/2011 :WO 2013/069034 :NA :NA :NA	(71)Name of Applicant:  1)GIANNELLI SOLARE DI GIANNELLI MARIO E C. Address of Applicant: Via Monte Bianco 1 I 73040 Melissano Italy (72)Name of Inventor: 1)GIANNELLI Mario
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# (57) Abstract:

Natural circulation solar system for the production of sanitary hot water having a double circuit (solar and user ones) and provided with an air gap storage tank realized so that the connection of vacuum pipes is allowed.

No. of Pages: 15 No. of Claims: 10

(22) Date of filing of Application :01/05/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SIDE STRIP FOR TAKRAW BALL AND TAKRAW BALL

(51) International classification	:A63B39/00	(71)Name of Applicant:
(31) Priority Document No	:1117043.8	1)SATIAN INDUSTRIES CO LIMITED
(32) Priority Date	:04/10/2011	Address of Applicant :42/58 Moo 5 Soi Sri Satian Petchkasem
(33) Name of priority country	:U.K.	Road Raiking Sampran Nakhonpathom 73210 Thailand
(86) International Application No	:PCT/EP2012/069545	(72)Name of Inventor:
Filing Date	:03/10/2012	1)LORHPIPAT Boonchai
(87) International Publication No	:WO 2013/050423	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A takraw ball side strip (2) comprising an elongate length of plastics material having one side edge of sinusoidally undulating profile having troughs (7) and peaks (6) wherein the strip (2) is shaped or otherwise constructed to be preferentially flexible in peak regions (20) whereby when the strip (2) is joined by its ends into a hoop (30) peak regions (20) will bend more readily than other regions of the strip. Also disclosed is A takraw ball woven from side strips as described a more flexible peak region (20) of one strip (20a) may be positioned to overlie a less flexible strip region (34) located between a peak region (20) and a trough (7) of an underlying strip (20b).

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

(21) Application No.24/MUMNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/01/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: GENETICALLY MODIFIED PHAGE AND USE THEREOF

(51) International classification	:C12N7/00,C12N15/70	(71)Name of Applicant:
(31) Priority Document No	:11173033.9	1)DELPHI GENETICS
(32) Priority Date	:07/07/2011	Address of Applicant :Rue A. de Saint Exupry 5 B 6041
(33) Name of priority country	:EPO	Gosselies Belgium
(86) International Application No	:PCT/EP2012/063244	(72)Name of Inventor:
Filing Date	:06/07/2012	1)SZPIRER Cdric
(87) International Publication No	:WO 2013/004817	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention relates to a genetically modified phage and use thereof in a method for producing a biomolecule of interest.

No. of Pages: 54 No. of Claims: 15

(22) Date of filing of Application :02/01/2014 (43) Publication Date : 12/06/2015

### (54) Title of the invention: VARIABLE PRESSURE DROP UP FLOW PRE POLYMERIZER (UFPP) SYSTEMS AND METHODS

:B01J3/02,B01J19/24,C08F2/01 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)INVISTA TECHNOLOGIES S.A R.L. :61/495690 (32) Priority Date :10/06/2011 Address of Applicant : Zweignlederlassung St. Gallen (33) Name of priority country :U.S.A. Kreuzackerstrasse 9 CH 9000 St. Gallen SWITZERLAND. (86) International Application No :PCT/US2012/040745 (72)Name of Inventor: Filing Date 1)HAMILTON Clive Alexander :04/06/2012 (87) International Publication No: WO 2012/170351 2)NEATE Robert Edward (61) Patent of Addition to :NA

(61) Patent of Addition to
Application Number
Filing Date
(62) Divisional to Application
Number
:NA

Number :NA
Filing Date :NA

(57) Abstract :

Disclosed are processes and systems for manufacturing polyethylene terephthalate (PET) and pre polymer. The processes and systems use a variable pressure drop up flow pre polymerizer configuration. The pressure profile in the UFPP can be selected to beneficially change the relative reaction rates of the polymerization and esterification reactions. This design maximizes the esterification carried out in the UFPP while still producing a pre polymer with the optimum carboxyl end groups concentration {e.g. about 30  $\mu$  equiv./g to 60  $\mu$  equiv./g) to maximize finisher productivity. This can result in a reduction of the size and cost of the esterifier required for a given plant throughput.

No. of Pages: 36 No. of Claims: 16

(22) Date of filing of Application :26/06/2013

(43) Publication Date: 12/06/2015

# (54) Title of the invention : AN IMPROVED, INDUSTRIALLY SAFE AND ECONOMICAL PROCESS FOR THE PREPARATION OF BENZOXAZOLE OF FORMULA I; A KEY INTERMEDIATE FOR THE PREPARATION OF MK-4305

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:C07D417/12, C07D263/00 :NA	(71)Name of Applicant:  1)ARCH PHARMALABS LIMITED  Address of Applicant: ARCH HOUSE, 541A, MAROL
(32) Priority Date	:NA	MAROSHI ROAD, ANDHERI (EAST), MUMBAI, 400059,
(33) Name of priority country	:NA	Maharashtra India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RANBHAN KAMLESH JAYANTILAL
(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:

Disclosed herein is an improved process for the preparation of Benzoxazole of formula I; a key intermediate for the preparation of MK-4305 via an advanced intermediate of formula II depicted herein above. The process comprises chip and commercially available starting materials using novel chemistry to synthesize benzoxazoles thereby reducing the cost of manufacture of key intermediate hence reducing the cost of advanced intermediate and MK-4305 thereby.

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

(21) Application No.733/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :15/04/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PROCESSES FOR PREPARATION OF LUBIPROSTONE

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:C07D311/94,C07D307/935,C07C31/38 :NA :NA :NA :PCT/CN2010/001614 :15/10/2010 :WO 2012/048447 :NA :NA	(71)Name of Applicant:  1)SCINOPHARM (KUNSHAN) BIOCHEMICAL TECHNOLOGY CO. LTD.  Address of Applicant: No. 88 Weiye Road Kunshan Jiangsu 215300 China (72)Name of Inventor:  1)HENSCHKE Julian P. 2)LIU Yuanlian 3)XIA Lizhen 4)CHEN Yung Fa
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract:

Processes for preparing and purifying lubiprostone are disclosed. Intermediates and preparation thereof are also disclosed.

No. of Pages: 38 No. of Claims: 24

(21) Application No.782/MUMNP/2013 A

1) JANSSEN PHARMACEUTICA NV

1)TRABANCO SU • REZ Andrs Avelino

3)DELGADO JIM‰NEZ Francisca

Address of Applicant: Turnhoutseweg 30 B 2340 Beerse

(19) INDIA

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

(43) Publication Date: 12/06/2015

(71)Name of Applicant:

(72) Name of Inventor:

2)TRESADERN Gary John

Belgium

### (54) Title of the invention: 4 7 DIHYDRO PYRAZOLO[1 5 A]PYRAZIN 6 YLAMINE DERIVATIVES USEFUL AS INHIBITORS OF BETA SECRETASE (BACE)

(51) International

:C07D487/04,A61K31/4985,A61P25/28

classification

(31) Priority Document :10178315.7

(32) Priority Date :22/09/2010

(33) Name of priority

:EPO

country

(86) International :PCT/EP2011/066343

Application No Filing Date

:20/09/2011

(87) International **Publication No** 

:WO 2012/038438

(61) Patent of Addition to :NA Application Number

:NA

Filing Date (62) Divisional to

:NA :NA

**Application Number** Filing Date

#### (57) Abstract:

The present invention relates to novel 4 7 dihydro pyrazolo[1 5 a]pyrazin 6 yl aminederivativesas inhibitors of beta secretase also known as beta site amyloid cleaving enzyme BACE BACE1 Asp2 or memapsin2. The invention is also directed to pharmaceutical compositions comprising such compounds to processes for preparing such compounds and compositions and to the use of such compounds and compositions for the prevention and treatment of disorders in which beta secretaseis involved such as Alzheimer s disease (AD) mild cognitive impairment senility dementia dementia with Lewy bodies Down s syndrome dementia associated with stroke dementia associated with Parkinson s disease or dementia associated with beta amyloid.

No. of Pages: 85 No. of Claims: 8

(21) Application No.783/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :22/04/2013 (43) Publication Date : 12/06/2015

(54) Title of the invention : METHOD AND SYSTEM FOR REAL TIME AGGREGATION OF ELECTRIC VEHICLE INFORMATION FOR REAL TIME AUCTIONING OF ANCILLARY SERVICES AND REAL TIME LOWEST COST MATCHING ELECTRIC VEHICLE ENERGY DEMAND TO CHARGING SERVICES

(51) International classification	:G06Q30/00,G06Q50/00	(71)Name of Applicant:
(31) Priority Document No	:61/394281	1)QUALCOMM Incorporated
(32) Priority Date	:18/10/2010	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/US2011/056787	(72)Name of Inventor:
Filing Date	:18/10/2011	1)CONTRERAS DELPIANO Raul I.
(87) International Publication No	:WO 2012/054540	2)WOOD Andrew A.
(61) Patent of Addition to Application	:NA	3)JAIME Manuel Eduardo
Number	:NA	4)MICHAELIS Oliver
Filing Date	.NA	5)MOALLEMI Kamran
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Ancillary service capability data is received in real time from participating electrical vehicles (EVs) connected through EV charging equipment to a power grid. Aggregate offers based on the ancillary service capability data from participating EVs are generated and matched with requests received from electrical power generating entities for ancillary service electrical power. Associated with the matches ancillary power is transferred from batteries of one or more EV batteries to the power grid and based on received transaction parameters transaction payment is made.

No. of Pages: 56 No. of Claims: 93

(22) Date of filing of Application :02/04/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: COMPOSITIONS AND METHODS FOR THE DELIVERY OF NITRIC OXIDE

(51) International classification	:A61K38/42,C12P 21/04	(71)Name of Applicant: 1)THE REGENTS OF THE UNIVERSITY OF
(31) Priority Document No	:60/921,505	CALIFORNIA
(32) Priority Date	:22/05/2006	Address of Applicant :1111 Franklin Street, 12th Floor,
(33) Name of priority country	:U.S.A.	Oakland, California 94607, United States of America U.S.A.
(86) International Application No	:PCT/US2007/012133	(72)Name of Inventor:
Filing Date	:21/05/2007	1)CARY, Stephen, P.I.
(87) International Publication No	:WO/2007/139767	2)BOON, Elizabeth, M.
(61) Patent of Addition to Application	:NA	3)WINGER, Jonathan, A.
Number	:NA	4)MARLETTA, Michael, A.
Filing Date	.11/1	
(62) Divisional to Application Number	:2496/MUMNP/2008	
Filed on	:20/11/2008	

#### (57) Abstract:

H-NOX proteins are mutated to exhibit improved or optimal kinetic and thermodynamic properties for blood gas NO delivery. The engineered H-NOX proteins comprise mutations that impart altered NO or O2 ligand-binding relative to the corresponding wild-type H-NOX domain, and are operative as physiologically compatible mammalian blood NO gas carriers. The invention also provides pharmaceutical compositions, kits, and methods that use wild-type or mutant H-NOX proteins for the treatment of any condition for which delivery of NO is beneficial.

No. of Pages: 154 No. of Claims: 31

(22) Date of filing of Application :08/01/2014 (43) Publication Date: 12/06/2015

### (54) Title of the invention: DEVICES SOLUTIONS AND METHODS FOR SAMPLE COLLECTION

(51) International :C12M1/24,G01N33/48,G01N35/10 classification

(31) Priority Document No :61/498584

(32) Priority Date :19/06/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2012/043176

:19/06/2012

Filing Date

(87) International Publication :WO 2012/177656 No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

(71) Name of Applicant:

1)ABOGEN INC.

Address of Applicant :417 Auburn Street Portland ME 04103

U.S.A.

(72) Name of Inventor:

1)BIADILLAH Youssef

2) ANDREWS Stephen Douglas

#### (57) Abstract:

The disclosure relates to devices solutions and methods for collecting and processing samples of bodily fluids containing cells (as well as embodiments for the collection and processing and/or analysis of other fluids including toxic and/or hazardous substances/fluids). In addition the disclosure relates generally to function genomic studies and to the isolation and preservation of cells from saliva and other bodily fluids (e.g. urine) for cellular analysis. With respect to devices for collection of bodily fluids some embodiments include two mating bodies a cap and a tube (for example) where in some embodiments the cap includes a closed interior space for holding a sample preservative solution and mates with the tube to constitute the (closed) sample collection device. Upon mating the preservation solution flows into the closed interior space to preserve cells in the bodily fluid. The tube is configured to receive a donor sample of bodily fluid (e.g. saliva urine) which can then be subjected to processing to extract a plurality of cells. The plurality of cells can be further processed to isolate one and/or another cell type therefrom. The plurality of cells as well as the isolated cell type(s) can be analyzed for functional genomic and epigenetic studies as well as biomarker discovery.

No. of Pages: 50 No. of Claims: 55

(21) Application No.390/MUMNP/2013 A

(19) INDIA

(22) Date of filing of Application :26/02/2013 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: INCREMENTAL MAINTENANCE OF IMMEDIATE MATERIALIZED VIEWS WITH OUTERJOINS

<ul> <li>(51) International classification</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>	:04/08/2011 :WO 2012/019008 :NA :NA	(71)Name of Applicant:  1)IANYWHERE SOLUTIONS INC.  Address of Applicant: One Sybase Drive Building A Sixth Floor Dublin CA 94568 U.S.A.  (72)Name of Inventor:  1)NICA Anisoara
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Methods and systems for using algorithms in relational database management systems (RDBMSs) for incremental maintenance of materialized views with outerjoins are disclosed. The algorithms achieve the following goals with respect to a class of materialized outerjoin views and the performance of update operations: relax the requirement for the existence of the primary key attributes in a select list of the view to only some of the relations (i.e. the relations referenced as a preserved side in an outerjoin); relax null intolerant property requirements for some predicates used in the view definition (i.e. predicates referencing relations which can be null supplied by more than one outerjoin); and implement maintenance of outerjoin views by using one update statement (MERGE UPDATE INSERT or DELETE) per view for each relation referenced in the view. The algorithms allow design and implementation of the incremental maintenance of materialized views with outerjoins to be integrated into an RDBMS.

No. of Pages: 49 No. of Claims: 20

(22) Date of filing of Application :22/04/2013 (43) Publication Date: 12/06/2015

(54) Title of the invention: CLEAN METAL INGOT MOLD

<ul> <li>(51) International classification</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>	:B22D7/06 :201010297870.1 :30/09/2010 :China :PCT/CN2010/078979 :23/11/2010 :WO 2012/040963 :NA :NA	(71)Name of Applicant:  1)XIXIA DRAGON INTO SPECIAL MATERIAL CO. LTD.  Address of Applicant: Industrial Road 88 XiXia Nanyang Henan 474500 China (72)Name of Inventor:  1)ZHU Shucheng
Filing Date	:NA	

(21) Application No.790/MUMNP/2013 A

#### (57) Abstract:

(19) INDIA

A clean metal ingot mold includes an ingot mold main body (1) and a heat preservation dead head (2) arranged on the ingot mold main body (1). The bottom template of the ingot mold is provided with at least a raised ridge (3) connected with it. The V type section of impurities produced during the crystallization process of the liquid metal moves upwards because of the raised ridge then the impurities depart from the centre of the cast ingot and the impurities are more centralized. A water cooling mechanism (5) is arranged in the raised ridge to make the temperature of the metal in the ingot mold fall rapidly and the crystallization process of the metal is quick.

No. of Pages: 17 No. of Claims: 10

(22) Date of filing of Application :24/03/2014 (43) Publication Date : 12/06/2015

:NA

#### (54) Title of the invention: OIL PATH STRUCTURE FOR AIR OIL COOLED INTERNAL COMBUSTION ENGINE

:F01P3/02,F01M1/06,F02F1/10 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)HONDA MOTOR CO. LTD. :2011211892 (32) Priority Date Address of Applicant: 1 1 Minami Aoyama 2 chome Minato :28/09/2011 (33) Name of priority country ku Tokyo 1078556 Japan :Japan (72) Name of Inventor: (86) International Application No :PCT/JP2012/073649 Filing Date :14/09/2012 1)KAJIHARA Eisuke (87) International Publication No: WO 2013/047239 2)GOKAN Yoshitsugu (61) Patent of Addition to 3)TAKAHASHI Yasushi :NA **Application Number** 4)MINAMI Satoshi :NA Filing Date 5)YAMAMOTO Katsuji (62) Divisional to Application :NA

#### (57) Abstract:

Filing Date

Number

An oil path (68A) for lubrication is provided in the cylinder head (13) of an air oil cooled internal combustion engine and a head side oil path (7) for cooling is branched from the path (68A). The cylinder block (12) is provided with an oil return path (9) for conducting oil which flows from the oil path (7) for cooling to the crankcase (10). The oil path (7) is provided with a communication section (72) for feeding oil which is caused to flow to the peripheries of an ignition plug (55) and an exhaust port (16) to the mating surface (70) between the cylinder head and the cylinder block. The oil return path (9) is provided in the cylinder block (12) so as to be separated from the communication section (72). A cylinder side oil path (92) for causing oil to flow from the communication section (72) to the oil return path (9) is provided in the cylinder block (12). The configuration simplifies the structure of the oil path (7) and prevents cooling oil temperature from increasing.

No. of Pages: 64 No. of Claims: 7

(22) Date of filing of Application :24/03/2014 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: FLEXIBLE MULTI PANEL STERILIZATION ASSEMBLY WITH MASS BALANCING SIDE TABS

:A61L2/26,A61B19/02 (71)Name of Applicant : (51) International classification 1)KIMBERLY CLARK WORLDWIDE INC. (31) Priority Document No :61/541655 (32) Priority Date :30/09/2011 Address of Applicant : Neenah WI 54956 U.S.A. (33) Name of priority country :U.S.A. (72)Name of Inventor: (86) International Application No 1)GAYNOR Melissa R. :PCT/IB2012/055216 Filing Date :28/09/2012 2)BRICKER Eric T. (87) International Publication No :WO 2013/046186 3)FARMER Jeffrev J. (61) Patent of Addition to Application 4)PAMPERIN Mark T. :NA 5)SCHWARZ Corinna :NA Filing Date 6)TURNBOW Catherine J. (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

A multi panel sterilization assembly that includes a barrier panel formed of permeable material having barrier properties side tabs that include grip portions for folding or unfolding the barrier panel; and a fold protection panel. The barrier panel has a first end and a second end opposite the first end a first edge and a third edge each such edge being generally perpendicular to the first end and a second edge that is generally opposite the first end. A longitudinal axis extending from at least the first end to the second end of the barrier panel such that it bisects the assembly into a first assembly portion and a substantially equal second assembly portion. The first assembly portion extends from the longitudinal axis to include the first edge of the barrier panel and the side tab and defines a respective center of mass and the second assembly portion extends from the longitudinal axis to include the third edge of the barrier panel and the side tab and defines a second respective center of mass whereby the center of mass of the first assembly portion is closer to the first edge than to the longitudinal axis and the center of mass of the second assembly portion is closer to the third edge than to the longitudinal axis.

No. of Pages: 114 No. of Claims: 19

(21) Application No.2223/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :24/03/2014 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: PLUG CONNECTION

(51) International classification	:A47B88/00	(71)Name of Applicant:
(31) Priority Document No	:10 2011 054 023.7	1)PAUL HETTICH GMBH & CO. KG
(32) Priority Date	:28/09/2011	Address of Applicant :Vahrenkampstrae 12 16 32278
(33) Name of priority country	:Germany	Kirchlengern Germany
(86) International Application No	:PCT/EP2012/068329	(72)Name of Inventor:
Filing Date	:18/09/2012	1)BABUCKE RUNTE Guido
(87) International Publication No	:WO 2013/045313	2)K,,THLER Andreas
(61) Patent of Addition to Application	:NA	3)STUFFEL Andreas
Number	:NA	4)MEYER Helmut
Filing Date	.IVA	5)MEYER Bernd
(62) Divisional to Application Number	:NA	6)MICHELSWIRTH Dennis
Filing Date	:NA	7)HERZOG Roman

#### (57) Abstract:

The invention relates to a bracket sleeve 5 in particular a bracket sleeve with a U shaped or approximately U shaped cross section comprising at least one bracket adapter 6 on the wall 5a of the bracket sleeve 5 said adapter being connected to the wall by means of at least one plug connection 7. The plug connection 7 consists substantially of a pocket 8 which is provided on the wall and a tongue 9 which can be inserted into said pocket 8 and which runs transverse to the longitudinal extension of the bracket sleeve 5. The tongue 9 lies in the region of a recess 10 of the bracket adapter 6 a first stop and a first securing projection of the recess 10 running transverse to the insertion direction of the tongue. The pocket 8 and the recess 10 are each designed in a mirror symmetrical manner to the tongue 9 such that the recess 10 is provided with two stops 10a which lie laterally adjacent to the tongue 9 and which rest against the two correspondingly arranged delimiting connecting pieces 8a and 8b of the pocket 8. The recess 10 further has two securing projections 10b which rest against the correspondingly arranged delimiting connecting pieces 8a 8b of the pocket 8 such that said projections engage behind the connecting pieces.

No. of Pages: 16 No. of Claims: 9

(22) Date of filing of Application :24/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: EXHAUST GAS TREATMENT CATALYST METHOD FOR PRODUCING EXHAUST GAS TREATMENT CATALYST AND METHOD FOR REGENERATING EXHAUST GAS TREATMENT CATALYST

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to	:B01D53/94,B01D53/96,B01J27/232 :NA :NA :NA :NA :PCT/JP2011/076500 :17/11/2011 :WO 2013/073032 :NA :NA	(71)Name of Applicant:  1)MITSUBISHI HEAVY INDUSTRIES LTD.  Address of Applicant:16 5 Konan 2 chome Minato ku Tokyo 1088215 Japan (72)Name of Inventor:  1)YONEMURA Masanao 2)NOCHI Katsumi 3)KIYOSAWA Masashi 4)DEMOTO Masanori 5)TAKAKURA Kyohei
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

4Provided is an exhaust gas treatment catalyst provided with a coating layer which contains at least one compound selected from the group consisting of an alkali metal carbonate and an alkaline earth metal carbonate on the surface of a denitration catalyst. In this method for regenerating the exhaust gas treatment catalyst the coating layer of the denitration catalyst to which VOSO has accumulated is removed using an acid and after removing the coating layer the coating layer which contains at least one compound selected from the group consisting of an alkali metal carbonate and an alkaline earth metal carbonate is provided again.

No. of Pages: 23 No. of Claims: 8

(22) Date of filing of Application :25/03/2014 (43) Publication Date: 12/06/2015

### (54) Title of the invention: METHOD AND DEVICE FOR MONITORING A MOBILE RADIO INTERFACE ON MOBILE **TERMINALS**

(51) International :H04W12/08,H04L29/06,H04W12/12 classification

(31) Priority Document No :10 2011 054 509.3

(32) Priority Date :14/10/2011

(33) Name of priority :Germany country

(86) International

:PCT/EP2012/067341 Application No

:05/09/2012 Filing Date

(87) International :WO 2013/053550 Publication No

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant: 1)Deutsche Telekom AG

Address of Applicant: Friedrich Ebert Allee 140 53113 Bonn

Germany

(72) Name of Inventor: 1)LIEBERGELD Steffen 2)LANGE Matthias

3)MULLINER Collin

#### (57) Abstract:

The invention relates to a method and to a device for monitoring a mobile radio interface on a mobile terminal. The mobile terminal has a baseband and an application processor. The method comprises the following steps: executing an operating system on the application processor; executing a virtual modem on the application processor which modem performs only the data exchange between the operating system and the base band and provides the functionality of the baseband in order to thereby gain access to data and in order to thereby filter out unpermitted data.

No. of Pages: 14 No. of Claims: 12

(21) Application No.2245/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :25/03/2014 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: AIR CONDITIONING DEVICE

:NA

:NA

(51) International classification :F24F3/14,F24F5/00,F25B1/00 (71)Name of Applicant : 1) Hachiyo Engineering Co.Ltd. (31) Priority Document No :2011190883 (32) Priority Date :01/09/2011 Address of Applicant :4 22 Nakaminato 1 chome Yaizu shi (33) Name of priority country Shizuoka 4250021 Japan :Japan (72) Name of Inventor: (86) International Application No :PCT/JP2012/071804 Filing Date :29/08/2012 1)KANEO Hidetoshi (87) International Publication No :WO 2013/031813 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application

#### (57) Abstract:

Filing Date

Number

The purpose of the present invention is to provide an air conditioning device whereby wasted energy consumption for processing latent heat and sensible heat that accompany cooling and dehumidification is eliminated and energy saving is achieved and which is safe as well as gentle on the environment. The air conditioning device (100) comprises: an air supply duct (110); a high stage side cooler (120) that eliminates mainly the sensible heat from the air to be conditioned (CA); a low stage side cooler (130) that eliminates mainly the latent heat from the air to be conditioned (CA) having part of the load thereof removed by the high stage side cooler (120); and an indoor air cooler (140) that removes mainly the sensible heat from indoor air (IA).

No. of Pages: 35 No. of Claims: 8

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : OPTICAL NEEDLE TRACKING SYSTEM AND METHOD FOR IMAGE GUIDED PERCUTANEOUS BIOPSY PROCEDURE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:NA :NA	(71)Name of Applicant: 1)TUSCANO EQUIPMENTS PVT LTD Address of Applicant: NEW NO. 121, OLD NO. 61, 1ST
(33) Name of priority country		FLOOR, JAMMI BUILDINGS, ROYAPETTAH HIGH ROAD,
(86) International Application No		MYLAPORE, CHENNAI - 600 004 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)JAYANTHI ANAND
(61) Patent of Addition to Application Number	:NA	2)KUMAR GURURAJAN
Filing Date	:NA	3)DR. ROY SANTOSHAM
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The embodiments of the present invention providean optical needle tracking system and a method for image guided percutaneous biopsy procedure with little patient compliance, minimal radiation exposure and reduced needle pass. The optical needle tracking system comprises a plurality of cameras, a processor, a display unit, a plurality of markers, medical imaging equipment such as a CT scannerand a camera positioning system. The plurality of markers is placed on the ROI of the patients body which assists in acquiring the breathing pattern of the patient. The plurality of cameras captures the real time images and is controlled by the camera positioning system. The processor controls the entire operation of the optical needle tracking system.

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

(22) Date of filing of Application :04/03/2009 (43) Publication Date : 12/06/2015

# (54) Title of the invention: NOVEL GENE OF BACILLUS THURINGIENSIS ENCODING INSECTICIDAL PROTEIN

(51) International classification	:C07K14/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)V.UDAYASURIYAN
(32) Priority Date	:NA	Address of Applicant :DEPT. OF PLANT MOLECULAR
(33) Name of priority country	:NA	BIOLOGY & BIOTECHNOLOGY CENTRE FOR PLANT
(86) International Application No	:NA	MOLECULAR BIOLOGY TAMIL NADU AGRICULTURAL
Filing Date	:NA	UNIVERSITY, COIMBATORE-641 003 Tamil Nadu India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)V.UDAYASURIYAN,
Filing Date	:NA	2)V.KANNAN
(62) Divisional to Application Number	:NA	3)A.RAMALAKSHMI,
Filing Date	:NA	4)P.BALASUBRAMANIAN

# (57) Abstract:

The present invention disclosed nucleotide sequence of a novel gene cloned from an indigenous strain of Bacillus thuringiensis (Bt) isolated from soil and deduced amino acid sequence of protein encoded by the novel gene. Also disclosed is expression of the novel gene in recombinant strain of Bt and toxicity of the protein encoded by the novel gene against lepidopteron insect such as cotton bollworm, Helicoverpa armigera. In Asia and Australia the H. armigera is the main target of transgenic Bt-cotton which has been cultivated in about seventy lakh hectares in India during 2008. Hence, the novel gene encoding insecticidal protein of this invention will be useful to develop insect-resistant Bt-transgenic plants and its commercialization.

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

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : A SYSTEM AND METHOD FOR NON-INTRUSIVE LOAD MONITORING OF MULTIPLE UTILITIES

<ul> <li>(51) International classification</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>	:E04B :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Robert Bosch Engineering and Business Solutions Limited Address of Applicant: 123, Industrial Layout, Hosur Road, Koramangala, Bangalore 560095, Karnataka, INDIA 2)Robert Bosch GmbH (72)Name of Inventor: 1)JOSEPH John Felix Charles 2)TRIPATHI Pranava
Filing Date	:NA	2) XXXI XXXII XXIIII VU
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The various embodiments of the present invention disclose a non-intrusive load monitoring system and method comprising, one or more monitoring and measuring module for monitoring and measuring consumption of one or more utilities and generating a respective utility consumption signal, a combining module for receiving and unifying the utility consumption signal from the one or more monitoring and measuring modules, a feature extraction module for extracting plurality of features from the unified utility consumption signal, an event detection module for detecting a change of state of one or more utility usage in unified utility consumption signal, and a classification module for disaggregating the unified utility consumption signal to one or more utility consuming appliance.

No. of Pages: 22 No. of Claims: 14

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A DEVICE FOR DIAGNOSING IGNITION SYSTEM AND METHOD THEREOF

(51) International classification	:F02P	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Robert Bosch Engineering and Business Solutions Limited
(32) Priority Date	:NA	Address of Applicant :123, Industrial Layout, Hosur Road,
(33) Name of priority country	:NA	Koramangala, Bangalore 560095, Karnataka, INDIA
(86) International Application No	:NA	2)Robert Bosch GmbH
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)NAYAK Rohit
(61) Patent of Addition to Application Number	:NA	2)HAZARIKA Debarsish
Filing Date	:NA	3)KULKARNI Raghavendra
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
Filing Date (62) Divisional to Application Number	:NA :NA	

#### (57) Abstract:

A device (30) for diagnosing vehicle ignition system (100), said system comprising a spark plug (22), an ignition coil (10) having a primary coil (L1) and a secondary coil (L2) and an energizing means (24) for energizing said primary coil (L1) of the ignition coil (10) to induce an ignition voltage in the secondary coil (L2) for producing a spark at the spark plug, said characterized in that a voltage measuring means (32) for measuring a voltage at a primary junction (PJ1) of the ignition coil (10) when said ignition voltage is induced in said secondary coil (L2) a determining means (34) for determining said ignition voltage from said measured voltage and a diagnosing means (36) for diagnosing the ignition system based on said determined ignition voltage.

No. of Pages: 13 No. of Claims: 3

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : METHOD AND SYSTEM FOR OPTIMIZING PAGINATION OF A RESULT REPORT FOR QUERIES OVER DATA STORE

(51) Intermedianal alequification	·COCE	(71) Nome of Applicant.
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)HUAWEI TECHNOLOGIES INDIA PVT. LTD.
(32) Priority Date	:NA	Address of Applicant :No.23, Level 3 & 4, Leela Galleria,
(33) Name of priority country	:NA	Airport Road, Bangalore-560017, Karnataka, INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RAVINDRA PESALA
(87) International Publication No	: NA	2)KANAKA KUMAR AVVARU
(61) Patent of Addition to Application Number	:NA	3)ZHOU, Guangcheng
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Embodiments of the present disclosure provide method and system for providing pagination of result report for queries over data store. The query result evaluation unit receives query and determines attributes in received query, cardinality, parent-child relationship information and sorting order associated with attributes. Thereafter, it creates page information record for received query. The page information record determines number of pages in result report and number of rows in each page of result report. The constraint identifying unit identifies constraints required for number of rows based on cardinality, parent-child relationship information and sorting order of attributes. The data scanning unit executes one or more queries in data store based on identified constraints to retrieve data related to the query. If retrieved data is sufficient for number of rows, then retrieved data is displayed in result page. If the retrieved data is not sufficient for number of rows, process of identifying constraints and executing query is repeated.

No. of Pages: 34 No. of Claims: 20

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : A DEVICE AND METHOD FOR DETERMINING ACTUAL AIR MASS FLOW INTO THE CYLINDER OF AN INTERNAL COMBUSTION ENGINE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:F02D :NA :NA	(71)Name of Applicant:  1)Robert Bosch Engineering and Business Solutions Limited Address of Applicant: 123, Industrial Layout, Hosur Road,
(33) Name of priority country	:NA	Koramangala, Bangalore 560095, Karnataka, INDIA
(86) International Application No	:NA	2)Robert Bosch GmbH
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SINGHAL Milandeep
(61) Patent of Addition to Application Number	:NA	2)SELVARAJ Gopinath
Filing Date	:NA	3)RAMACHANDRAN Karthikeyan
(62) Divisional to Application Number	:NA	4)KELOTH Pradeep Kumar
Filing Date	:NA	-

### (57) Abstract:

A method for determining actual air mass (40) flow into the cylinder of an internal combustion engine, said method comprising the steps, detecting (S1) an intake stroke of said engine, determining (S2) a total air mass flow (15) into said cylinder, determining (S3) duration of intake valve opening (13) during said intake stroke of said engine, estimating (S4) a first value (17) of air mass flow from said total air mass flow (15) during said duration of intake valve opening (13);, estimating (S5) a second value of air mass flow from said total air mass flow based on an adaptive window time duration (32) and determining (S6) actual air mass flow (40) from said estimated first value of air mass flow and said estimated second value of air mass flow.

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

(22) Date of filing of Application :21/03/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: MOTION VECTOR PREDICTOR CANDIDATE CLIPPING REMOVAL FOR VIDEO CODING

<ul> <li>(51) International classification</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>	:61/543181 :04/10/2011 :U.S.A.	(71)Name of Applicant:  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)COBAN Muhammed Zeyd  2)KARCZEWICZ Marta
Filing Date	:NA	

#### (57) Abstract:

This disclosure describes techniques for coding a video block based on an unclipped version of a motion vector predictor candidate. The techniques include determining a motion vector predictor candidate list including motion vector predictor candidates from neighboring video blocks without clipping the motion vector predictor candidates. More specifically if one of the motion vector predictor candidates points to a prediction block located outside of a reference picture boundary relative to the current video block the techniques allow an unclipped version of the motion vector predictor candidate to be included in the candidate list. The current video block is then coded based on a determined unclipped motion vector predictor candidate of the candidate list. Elimination of the motion vector predictor candidate clipping process reduces complexity at both the video encoder and the video decoder.

No. of Pages: 47 No. of Claims: 28

(22) Date of filing of Application :21/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : RETENTION BASED INTRINSIC FINGERPRINT IDENTIFICATION FEATURING A FUZZY ALGORITHM AND A DYNAMIC KEY

(51) International classification	:G11C29/00,G06F21/00	(71)Name of Applicant :
(31) Priority Document No	:13/302314	1)INTERNATIONAL BUSINESS MACHINES
(32) Priority Date	:22/11/2011	CORPORATION
(33) Name of priority country	:U.S.A.	Address of Applicant :New Orchard Road Armonk NY 10504
(86) International Application No	:PCT/US2012/055061	U.S.A.
Filing Date	:13/09/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/077929	1)FAINSTEIN Daniel J.
(61) Patent of Addition to Application	:NA	2)CESTERO Alberto
Number	:NA	3)IYER Subramanian S.
Filing Date	IVA	4)KIRIHATA Toshiaki
(62) Divisional to Application Number	:NA	5)ROBSON Norman W.
Filing Date	:NA	6)ROSENBLATT Sami

#### (57) Abstract:

A random intrinsic chip ID generation employs a retention fail signature. A 1st and 2nd ID are generated using testing settings with a 1st setting more restrictive than the 2nd creating more fails in the 1st ID bit string 275 that includes 2nd ID bit string 290. A retention pause time controls the number of retention fails adjusted by a BIST engine 625 wherein the fail numbers 803 920 satisfy a predetermined fail target. Verification confirms whether the 1st ID includes the 2nd ID bit string the ID being the one used for authentication. Authentication is enabled by a 3rd ID with intermediate condition such that 1st ID includes 3rd ID bit string and 3rd ID includes 2nd ID bit string. The intermediate condition includes a guard band to eliminate bit instability problem near the 1st and 2nd ID boundary. The intermediate condition is changed at each ID read operation resulting in a more secure identification.

No. of Pages: 30 No. of Claims: 20

(21) Application No.2204/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :21/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : DIESEL OXIDATION CATALYST WITH LAYERED STRUCTURE CONTAINING CERIA COMPOSITION AS PALLADIUM SUPPORT MATERIAL FOR ENHANCED HC AND CO GAS CONVERSION

(51) International :B01J23/44,B01J23/42,B01J37/025

(31) Priority Document No :11182585.7

(32) Priority Date :23/09/2011 (33) Name of priority country :EPO

(86) International Application :PCT/IB2012/055030

No Filing Date :21/09/2012

(87) International Publication

:WO 2013/042080

(61) Patent of Addition to Application Number :NA Filing Date :NA

(62) Divisional to Application
Number
:NA

Filing Date :NA

(71)Name of Applicant:

1)BASF SE

Address of Applicant: 67056 Ludwigshafen Germany

2)BASF CORPORATION

(72)Name of Inventor:

1)GRUBERT Gerd 2)NEUBAUER Torsten

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4)HILGENDORFF Marcus 5)MLLER STACH Torsten

6)GERLACH Olga 7)WEI Xinyi 8)HOKE Jeffrey 9)SUNG Shiang

10)ROTH Stanley

### (57) Abstract:

A layered diesel oxidation catalyst (DOC) comprises: a) a carrier substrate; b) a diesel oxidation catalytic material comprising bl)a first layer located on the carrier substrate the first layer comprising palladium impregnated on a support material comprising ceria in an amount of at least 45 weight% based on the total weight of the support material and optionally comprising platinum; b2) a second layer located on the first layer the second layer comprising palladium and platinum each impregnated on a support material comprising a metal oxide; wherein the platinum to palladium weight ratio of the first layer is lower than the platinum to palladium weight ratio of the second layer.

No. of Pages: 28 No. of Claims: 31

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : METHOD AND AN APPARATUS FOR CREATING A PERSONALIZED SEARCH QUERY BASED ON CONTEXTUAL TAGGING

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SAMSUNG R&D INSTITUTE INDIA BANGALORE
(32) Priority Date	:NA	PRIVATE LIMITED
(33) Name of priority country	:NA	Address of Applicant :# 2870, ORION Building, Bagmane
(86) International Application No	:NA	Constellation Business Park, Outer Ring Road, Doddanakundi
Filing Date	:NA	Circle, Marathahalli Post, Bangalore-560 037 Karnataka India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)SALUJA, Preeti
Filing Date	:NA	2)THARAYIL, Ranjith
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention provides a method and an apparatus for creating a personalized search query based on contextual tagging. The method herein comprises of receiving an input from a user to perform a search, analyzing the one or more keywords received from the user by a tag repository associated with a user device, automatically suggesting one or more tags stored in the tag repository of the user device in context with input received from the user, wherein the tag comprises personalized information associated with the user, and displaying the one or more tags suggested in combination with the input received from the user. Further, the tag repository resides in a user device enables the user to build the search query faster and to retrieve more personalized search results.

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

(22) Date of filing of Application :22/03/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: SULPHURIC ACID PRODUCTION WITH RECYCLE OF DESULPHURIZED GAS

(51) International :B01D53/86,C01B17/74,C01B17/765 classification

(31) Priority Document No :PCT/EP2011/004860

(32) Priority Date :29/09/2011

(33) Name of priority

:EPO

country

(86) International :PCT/EP2012/069099

Application No :27/09/2012 Filing Date

(87) International

:WO 2013/045558 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA

Filing Date

(71)Name of Applicant: 1)HALDOR TOPS E A/S

Address of Applicant: Nym llevei 55 2800 Kgs. Lyngby

Denmark

(72) Name of Inventor: 1)LYKKE Mads

## (57) Abstract:

The invention relates to a process for oxidation of SO to SO comprising the steps of (a) directing a stream of feed gas comprising SO and O to a catalytically active material (b) oxidizing an amount of said SO in said process gas to SO in the presence of the catalytically active material providing a first oxidized process gas (c) reacting SO with water (d) condensing HSO (e) withdrawing a first desulphurized process gas and a first stream of sulphuric acid (f) from the desulphurized process gas withdrawing a recycle stream of desulphurized process gas wherein the recycle stream is added to said stream of feed gas or said first oxidized process gas with the associated benefit of reducing the molar flow of process gas downstream withdrawal of the recycle stream and upstream the mixing point.

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

(22) Date of filing of Application :22/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: CELL TOWER CABLE ASSEMBLY 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 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>	:61/540203 :28/09/2011 :U.S.A.	(71)Name of Applicant:  1)3M INNOVATIVE PROPERTIES COMPANY Address of Applicant: 3M Center Post Office Box 33427 Saint Paul Minnesota 55133 3427 U.S.A. (72)Name of Inventor: 1)SHOEMAKER Curtis L. 2)ANDERTON Robert M. 3)SIMMONS Richard L. 4)KING Stephen C. 5)LARSON Donald K.
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A cable assembly for cell tower communications comprises a plurality of optical fiber cable units disposed within a unitary cable assembly jacket that surrounds the optical fiber cable units. The cable assembly jacket has a plurality of indentations disposed between adjacent optical fiber cable units that allow an installer to furcate the cable assembly into smaller cable groupings at a convenient cell tower location.

No. of Pages: 13 No. of Claims: 11

(21) Application No.2284/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :25/03/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: METHOD FOR PRODUCING HOLLOW BLOCKS COMPRISING A POLYURETHANE FOAM

(51) International classification :C08G18/48,C08G18/76,C08J9/14 (71)Name of Applicant : (31) Priority Document No :11179387.3 1)BASF SE (32) Priority Date :30/08/2011 Address of Applicant: 67056 Ludwigshafen Germany (33) Name of priority country (72) Name of Inventor: :EPO 1)WINTERMANN Peter (86) International Application :PCT/EP2012/066576 No :27/08/2012 Filing Date (87) International Publication :WO 2013/030142 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA

### (57) Abstract:

Filing Date

The invention relates to hollow blocks containing at least one chamber in which a rigid polyurethane foam which has a density in the range 30 70 g/l and is produced by reacting at least one polyisocyanate a) with at least one compound b) having at least two hydrogen atoms which are reacted towards isocyanate groups in the presence of at least one catalyst d) using at least one blowing agent c) containing at least one blowing agent ci) which develops its blowing action only during the reaction of a) with b) and a blowing agent cii) which has a boiling point below the temperature at which the components a) and b) are mixed is present where the pressure buildup during the foaming reaction of the polyurethane remains less than 20 kPa and also the corresponding process for producing the hollow blocks.

No. of Pages: 11 No. of Claims: 10

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: HIGH VOLTAGE TRANSFORMER ARRANGEMENT FOR HIGH VOLTAGE TANK ASSEMBLY

(51) International classification	:H01F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)GENERAL ELECTRIC COMPANY
(32) Priority Date	:NA	Address of Applicant :1 RIVER ROAD, SCHENECTADY,
(33) Name of priority country	:NA	NEW YORK 12345 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KUMAR, NIRANJAN
(87) International Publication No	: NA	2)VADIVEL, VENUGOPAL
(61) Patent of Addition to Application Number	:NA	3)PERRILLAT-AMEDE, DENIS
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A high voltage transformer arrangement for supplying power to a high voltage tank assembly is disclosed. The high voltage transformer arrangement includes a first core arranged in the high voltage tank assembly and a secondary winding configured on the first core, a second core positioned outside of the high voltage tank assembly and at a predefined distance from the first core, and a primary winding configured on the second core. The second core and the primary winding transfers current received from an external power source to the first core and secondary winding for supplying power to the high voltage tank assembly.

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

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : MOLECULAR DYNAMICS SYNCHRONISED MANIPULATOR TO REPAIR BIO-MOLECULES: AN APPLICATION IN EIGEN-ROTATIONAL CLUSTERS OF STRING-MATTER PARADIGM OF UNIVERSE

(51) T	:B01F	(71)Name of Applicant:
(51) International classification	13/00	1)Jayakar Johnson Joseph
(31) Priority Document No	:NA	Address of Applicant :Johnsons Medicom (P) Ltd, 9-55/38A2,
(32) Priority Date	:NA	JJM Complex, Kuzhithurai Tamil Nadu India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)Jayakar Johnson Joseph
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:

Existing in vivo molecular imaging techniques reveals only molecular pathways and not describes the dynamics of molecular rearrangements and thus this technique is proposed to manipulate the dynamics of the bio molecular target source. To achieve this, a scenario of spiral wave propagation of eigen-rotational string-matter segments and spin-simplexes of T-brane that constructs atoms and molecules, are defined as axioms. This implies to assign Multiple Pyramidal arrays of detectors for detecting the incident signals by the propagating spiral waves of string-segments, from the molecules fabricated with spin-simplexes. For Virtual molecular dynamics manipulation by this system, the processed image by the data of the incident signals, is to be in Tetrahedral-mesh. While on Virtual manipulation, impulse of matter and energy are forced into the target source in synchronisation with the molecular dynamics of the biomolecules at the target source. A Fuzzy Knowledge-Based Controller unit is been integrated with this system for effective manipulations. This system is assigned with eleven integrated units and an external data network.

No. of Pages: 4 No. of Claims: 5

(21) Application No.2236/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :24/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SHAFT WITH A FLANGE 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</li><li>No</li></ul>	:F16C3/02,F16C13/00,F16D1/033 :202011106443.7 :28/09/2011 :Germany :PCT/EP2012/068500 :20/09/2012	(71)Name of Applicant:  1)KHD HUMBOLDT WEDAG GMBH  Address of Applicant: Colonia Allee 3 51067 Kln Germany (72)Name of Inventor:  1)FRANGENBERG Meinhard
Filing Date (87) International Publication No	:WO 2013/045334	
<ul><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention relates to a flange connection on a shaft (1) having at least two diameters (d1 d2) of different size wherein the diameter (d3) of the flange connection is smaller than the diameter (d1) of the rolling bearing seat (2). Machine parts on the shaft can thereby be rapidly and simply interchanged without the flange (3) having to be removed in the process.

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

(21) Application No.5532/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :30/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: AN ELONGATED BONE IMPREGNATED HIP SCREW

(71) I	A CID	
(51) International classification	:A61B	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Dr. Pattathil Kunjukrishnan Sundara Raj
(32) Priority Date	:NA	Address of Applicant :Dr. Pattathil Kunjukrishnan Sundara
(33) Name of priority country	:NA	Raj Pattathil Veedu, Sicily Gardens, Kumara Puram, Medical
(86) International Application No	:NA	College P. O., Thiruvananthapuram, Pin: 695011, Kerala India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Dr. Pattathil Kunjukrishnan Sundara Raj
(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 elongated bone impregnated hip screw (BIHS) for the treatment off fracture neck of fema, the screw comprising: a body having a distal end portion, a proximal end portion and an intermediate longitudinal cavity portion with a central longitudinal axis, a lock nut head at the distal end portion, wherein the lock nut head be removable to introduce a cancellous bone graft, and a screw thread contour at the proximal end portion of the body to drive and connect the ends of femur body and head through neck, wherein the intermediate longitudinal cavity portion includes a plurality of bores with undefined contour positioned circularly with asymmetrical distance apart, wherein the plurality of bores is for blood circulation between femur head and body with the assist of cancellous bone graft.

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

(22) Date of filing of Application :30/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PORTABLE DEVICE AND METHOD FOR PRINTING ON MEDIA

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (82) Divisional to Application Number Signal Publication Number Filing Date (83) Priority Document No (84) International Publication No (85) Patent of Addition to Application Number Filing Date (86) Divisional to Application Number	341J NA NA NA NA NA NA NA	(71)Name of Applicant: 1)Kiran Rajmohan Address of Applicant:Souparnika, Kairali Nagar, Kalamassery (P.O), Ernakulam, Kerala 683104 India 2)Anand Reghunathan 3)Aiswarya K K 4)Akhil V B 5)Bharath Nandakumar (72)Name of Inventor: 1)Kiran Rajmohan 2)Anand Reghunathan 3)Aiswarya K K 4)Akhil V B 5)Bharath Nandakumar
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

# (57) Abstract:

The present invention mainly relates to printer and more particularly to a hand held printer for printing over the print media. In one embodiment, the handheld printer comprising an enclosure and a base plate furnishes the structure of hand held printer unit, a plurality of optical sensors positioned on the base plate of the hand held printer unit, a print head with carriage positioned inside the enclosure and prints through an outlet provided on the base plate, an indicator including a plurality of display units positioned on the enclosure, a plurality of input buttons positioned on the surface of the handheld unit and a communication interface to receive the data for printing from user devices.

No. of Pages: 32 No. of Claims: 12

(22) Date of filing of Application :30/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : A SYSTEM AND PROCESS FOR REMOVAL OF HEARTH SCALE FROM REHEATING FURNACES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A47L :NA :NA	(71)Name of Applicant:  1)Rastriya Ispat Nigam Limited  Address of Applicant: A Govt. of India Undertaking VSP,
(33) Name of priority country	:NA	Visakhapatnam, -530031 Andhra Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Alikana Ravishankar
(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:

In Wire Rod Mill, in steel industry, the scale is generated during the reheating process of the billets. The scale has to be continuously removed out of the furnace, mainly which gets accumulated on the discharge hearth. The process of the manual removal of the scale from the discharge hearth, involves the risk of expose to the high temperature (1100 degrees Centigrade) of the hot scale and also involves the risk of fire accidents during the dumping of the scale into the near by scale pit manually. The amount of scale generated do not match with the removed quantity, resulting sticking of scale on hearth, resulting in breakdown of the furnace hearth surf ace. The process of the scale removal was carried by means of dragging out the scale, into the scale flushing trough which is fixed along the scale removal doors, which takes away the scale into scale pit at the end of the trough.

No. of Pages: 16 No. of Claims: 9

(22) Date of filing of Application :02/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : PROCESS FOR LARGE SCALE PRODUCTION OF 1-[(2-BROMOPHENYL)-5-METHOXY-3-[(4-METHYL-1-PIPERAZINYL)METHYL]-1H-INDOLE DIMESYLATE MONOHYDRATE

(51) International classification	:C07D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SUVEN LIFE SCIENCES LIMITED
(32) Priority Date	:NA	Address of Applicant :SERENE CHAMBERS, ROAD-5,
(33) Name of priority country	:NA	AVENUE-7, BANJARA HILLS, HYDERABAD - 500 034
(86) International Application No	:NA	Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)NIROGI, RAMAKRISHNA
(61) Patent of Addition to Application Number	:NA	2)KAMBHAMPATI, RAMA SASTRI
Filing Date	:NA	3)SHINDE, ANIL KARBHARI
(62) Divisional to Application Number	:NA	4)JASTI, VENKATESWARLU
Filing Date	:NA	

## (57) Abstract:

A process suitable for adoption to large scale manufacture of l-[(2-bromophenyl)sulfonyl]-5-methoxy-3-[(4-methyl-l-piperazinyl)methyl]-lH-indole dimesylate monohydrate, which is a selective 5-HT6 receptor antagonist intended for the symptomatic treatment of Alzheimers disease and other disorders of memory and cognition like Attention deficient hyperactivity, Parkinsons and Schizophrenia.

No. of Pages: 18 No. of Claims: 13

(21) Application No.2205/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :21/03/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: COMMUNICATING UNEXPECTED COLLABORATION SERVER RESPONSES ON RECONNECTION

(51) International

:G06F11/30,G06F11/32,G06F15/16

classification (31) Priority Document No

:13/249243

(32) Priority Date

:30/09/2011

(33) Name of priority country: U.S.A. (86) International Application :PCT/US2012/058205

No

Filing Date

:30/09/2012

(87) International Publication :WO 2013/049781

(61) Patent of Addition to

**Application Number** 

:NA :NA

:NA

Filing Date

(62) Divisional to Application :NA Number

Filing Date

(71)Name of Applicant:

#### 1)MICROSOFT CORPORATION

Address of Applicant :One Microsoft Way Redmond

Washington 98052 6399 U.S.A.

(72) Name of Inventor:

1)MANNING Sara

2)ESTEVE BALDUCCI Juan V.

3)PINTOS Fabio

4)CLAUX David

## (57) Abstract:

A set of workflows are provided for supporting proper user notifications after an action is taken by the user in conjunction with an asynchronous communication service. Timing and/or type of the notifications or an action to be taken by the service is determined based on one or more of a nature of the user action that failed a time elapsed since the action was taken multi action dependencies device types and similar characteristics enhancing user experience and reducing confusion.

No. of Pages: 26 No. of Claims: 10

(21) Application No.2206/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :21/03/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: MOTION CONTROLLED LIST SCROLLING

(51) International classification :G06F3/01,G06F3/03,G06F3/048 (71) Name of Applicant:

(31) Priority Document No :13/247828 (32) Priority Date :28/09/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/057105

:25/09/2012 Filing Date

(87) International Publication No:WO 2013/049055

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)MICROSOFT CORPORATION

Address of Applicant :One Microsoft Way Redmond

Washington 98052 6399 U.S.A.

(72)Name of Inventor: 1)ZAMBRANO Joel

2)LUCAS Shawn 3)HARTIN Jeffery W.

4)STEINORE Michael

# (57) Abstract:

Motion controlled list scrolling includes outputting to a display device a user interface including a plurality of selectable items and receiving a world space position of a hand of a human subject. Responsive to the position of the hand of the human subject being within a first region the plurality of selectable items are scrolled a first direction. Responsive to the position of the hand being within a second region the plurality of selectable items are scrolled a second direction. Responsive to the world space position of the hand of the human subject being within a third region the plurality of selectable items are held with one of the plurality of selectable items identified for selection.

No. of Pages: 24 No. of Claims: 10

(21) Application No.2207/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :22/03/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: WIRELESS BEACON RECEPTION

(51) International classification :H04W52/02,H04W48/12,H04W74/04

(31) Priority Document No :61/538536

(32) Priority Date :23/09/2011 (33) Name of priority :U.S.A.

country

(86) International :PCT/US2012/056746

Application No Filing Date :107/03201

(87) International

Publication No :WO 2013/044163

(61) Patent of Addition to Application Number :NA Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:

1)QUALCOMM INCORPORATED

Address of Applicant: 5775 Morehouse Drive San Diego CA

92121 U.S.A.

(72)Name of Inventor:
1)LIU Chun Feng

2)FREDERIKS Guido Robert

### (57) Abstract:

This disclosure describes techniques operating a client device to com¬ municate with a wireless access point. The client device may awake from a low power mode of operation (401) receive a first portion of a beacon (402) from the access point that includes a delivery traffic identification (DTIM) message (403 404). According to the techniques described herein the client device may determine based on the DTIM message whether or not one or more packets of data are forthcoming from the access point (405). If one or more packets of data are forth¬ coming from the access point the client device may remain in an ac¬ tive mode of operation to receive the forthcoming packets (and/or a second portion of the beacon) (406). However if no packets of data are forthcoming from the access point the client device may return to the low power mode of operation before receiving and/or processing the second portion of the beacon (408).

No. of Pages: 41 No. of Claims: 55

(21) Application No.519/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :04/02/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: BATCH COMMAND TECHNIQUES FOR A DATA STORAGE DEVICE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:C03B :61/910,857	(71)Name of Applicant: 1)SANDISK TECHNOLOGIES INC.
(32) Priority Date	:02/12/2013	Address of Applicant :Two Legacy Town Center, 6900 North
(33) Name of priority country	:U.S.A.	Dallas Parkway Plano, TX 75024, United States of America
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Daniel Edward TUERS
(87) International Publication No	: NA	2)Abhijeet MANOHAR
(61) Patent of Addition to Application Number	:NA	3)Mark MURIN
Filing Date	:NA	4)Mark SHLICK
(62) Divisional to Application Number	:NA	5)Menahem LASSER
Filing Date	:NA	

# (57) Abstract:

A data storage device includes a non-volatile memory and a controller. A method includes sending a memory command from the controller to the non-volatile memory. The memory command indicates multiple sense operations to be performed at a single plane of the non-volatile memory.

No. of Pages: 38 No. of Claims: 20

(22) Date of filing of Application :04/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SYSTEM AND METHOD FOR DETECTION OF MOTION IN DYNAMIC MEDICAL IMAGES

(51) International classification :G06	F (71)Name of Applicant :
(31) Priority Document No :NA	1)GENERAL ELECTRIC COMPANY
(32) Priority Date :NA	Address of Applicant :1 RIVER ROAD, SCHENECTADY,
(33) Name of priority country :NA	NEW YORK 12345 U.S.A.
(86) International Application No :NA	(72)Name of Inventor:
Filing Date :NA	1)SHANBHAG, DATTESH DAYANAND
(87) International Publication No : NA	2)MULLICK, RAKESH
(61) Patent of Addition to Application Number :NA	3)GUPTA, SANDEEP NARENDRA
Filing Date :NA	4)RAJAMANI, KUMAR
(62) Divisional to Application Number :NA	
Filing Date :NA	

#### (57) Abstract:

A method for detecting motion is presented. The method includes identifying a region of interest in the plurality of images corresponding to a subject of interest. Furthermore, the method includes determining signal characteristics corresponding to the region of interest. In addition, the method includes generating a composite signal, where the composite signal comprises an aggregate of the signal characteristics corresponding to the region of interest, the method also includes analyzing the composite signal to detect motion in the region of interest.

No. of Pages: 40 No. of Claims: 26

(22) Date of filing of Application :04/02/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : SYSTEM AND METHOD OF ARBITRATION ASSOCIATED WITH A MULTI-THREADED SYSTEM

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:61/910,849	1)SANDISK TECHNOLOGIES INC.
(32) Priority Date	:02/12/2013	Address of Applicant: Two Legacy Town Center, 6900 North
(33) Name of priority country	:U.S.A.	Dallas Parkway Plano, TX 75024, United States of America
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Daniel Edward TUERS
(87) International Publication No	: NA	2)Yoav WEINBERG
(61) Patent of Addition to Application Number	:NA	3)Abhijeet MANOHAR
Filing Date	:NA	4)Yosief ATAKLTI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A data storage device includes a controller coupled to a non-volatile memory via a data path element. The controller includes a first queue that includes a first set of requests and a second queue that includes a second set of requests. The controller further includes logic configured to assign a particular request from the first queue or from the second queue to have access to the data path element. When the logic is in a first mode, the logic selects a particular request is selected based on an arbitration scheme applied to the first queue and the second queue. When the logic is in a second mode, the logic selects a prioritized request from the first set of requests or the second set of requests independently of the arbitration scheme.

No. of Pages: 53 No. of Claims: 21

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A METHOD TO DETERMINE AN EFFICIENCY OF A FUEL IN A VEHICLE

(51) International classification	:G05B	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Robert Bosch Engineering and Business Solutions Limited
(32) Priority Date	:NA	Address of Applicant :123, Industrial Layout, Hosur Road,
(33) Name of priority country	:NA	Koramangala, Bangalore 560095, Karnataka, INDIA
(86) International Application No	:NA	2)Robert Bosch GmbH
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)KUDUPU Adarsh
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

An electronic control unit 10 comprises a tank 12 adapted to hold a fuel. The electronic control unit 10 also comprises a receiving means 20 adapted to receive at least two parameters as inputs from at least two components (14, 16) in the vehicle. The electronic control unit 10 comprises a calculating means 26 adapted to calculate an efficiency of the fuel in dependence of at least two parameters for a predefined distance. The electronic control unit 10 also comprises a display means 34 adapted to display the calculated efficiency. The electronic control unit 10 also comprises a second comparing means 30 adapted to compare the calculated efficiency with a predefined efficiency value. The display means 34 displays a recommendation for the user of the vehicle based on the compared efficiency.

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

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A METHOD TO LIMIT THE FUEL CONSUMPTION IN A VEHICLE

(51) International classification	:B60T	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Robert Bosch Engineering and Business Solutions Limited
(32) Priority Date	:NA	Address of Applicant :123, Industrial Layout, Hosur Road,
(33) Name of priority country	:NA	Koramangala, Bangalore 560095, Karnataka, INDIA
(86) International Application No	:NA	2)Robert Bosch GmbH
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)CHAKRAVARTHY Rohit
(61) Patent of Addition to Application Number	:NA	2)GOPALA Vikrant
Filing Date	:NA	3)NALLANGI Varaprasad
(62) Divisional to Application Number	:NA	4)CHAITHANYA Puneeth
Filing Date	:NA	

#### (57) Abstract:

A method to improve a fuel efficiency of an engine in a vehicle is disclosed. A speed of the vehicle is determined and is compared with a threshold speed. A time lag of a press of an accelerator pedal 14 or a brake pedal 16 for at least two iterations is determined, if the vehicle speed is less than the threshold speed. The time lag value is converted into frequency value. A limitation function is activated when the converted frequency value value is more than a threshold frequency value value. A vehicle weight is calculated, if said limitation function is active and is compared with a predefined vehicle weight. A rate of rise of a torque or an injection quantity or both is limited if the vehicle weight is less than the predefined vehicle weight.

No. of Pages: 11 No. of Claims: 5

(22) Date of filing of Application :05/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: POWERING HARDWARE UNIT THROUGH AUDIO CHANNEL

(51) International classification		(71)Name of Applicant :
, ,	21/00	1)GENERAL ELECTRIC COMPANY
(31) Priority Document No	:NA	Address of Applicant: 1 RIVER ROAD, SCHENECTADY,
(32) Priority Date	:NA	NEW YORK 12345 U.S.A.
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)JOSHI, BHUVANESH
Filing Date	:NA	2)LAKSHMANAN, NACHIYAPPAN
(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 system for controlling the power to a hardware unit is disclosed. The system comprises an audio channel for transmitting signals to the hardware unit; and a control circuit communicably connected to the audio channel. The control circuit transmits a power on signal through the audio channel to switch on the hardware unit and also transmits a power off signal through the audio channel to the switch off the hardware unit.

No. of Pages: 16 No. of Claims: 15

(22) Date of filing of Application :05/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SYSTEM FOR MANAGING CALIPERS FOR MEASURING OBJECTS IN IMAGE

(51) International classification	:g01b	(71)Name of Applicant:
(31) Priority Document No	:NA	1)GENERAL ELECTRIC COMPANY
(32) Priority Date	:NA	Address of Applicant: 1 RIVER ROAD, SCHENECTADY,
(33) Name of priority country	:NA	NEW YORK 12345 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KALASAPURA, SHESHA PRAKASH
(87) International Publication No	: NA	2)SUDHA, SAI
(61) Patent of Addition to Application Number	:NA	3)PUJARI, SAMBIT
Filing Date	:NA	4)JOSHI, BHUVANESH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A user interface for measuring an object in an image is disclosed. The user interface includes an imaging unit for presenting the image in a display based on image data; a measurement unit for positioning one or more calipers in an image space for measuring the object; and a caliper translation unit for re-orienting a caliper of the one or more calipers in response to the caliper located proximal to an edge boundary of the image space.

No. of Pages: 30 No. of Claims: 20

(22) Date of filing of Application :25/03/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: MULTILAYER PRESSURE SENSITIVE ADHESIVE FILMS WITH PRESSURE SENSITIVE ADHESIVES COMPRISING (METH) ACRYLATE ESTERS OF 2 ALKYL ALKANOLS

(51) International classification :C09J7/00,C09J7/02,C09J133/04 (71)Name of Applicant:

(31) Priority Document No :11182785.3 (32) Priority Date :26/09/2011

(33) Name of priority country :EPO

(86) International Application No:PCT/US2012/056993

Filing Date :25/09/2012

(87) International Publication No: WO 2013/048985

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application

:NA Number :NA

Filing Date

1)3M INNOVATIVE PROPERTIES COMPANY

Address of Applicant :3M Center Post Office Box 33427 Saint

Paul Minnesota 55133 3427 U.S.A.

(72) Name of Inventor:

1)TRASER Steffen 2)FORSTER Jan D.

3)KAVANAGH Maureen A.

4)WEIKEL Arlin L.

5)SETH Jayshree

## (57) Abstract:

The present invention is directed to a multilayer pressure sensitive adhesive (PSA) film having a first pressure sensitive adhesive layer and at least one opposing layer characterized in that the first pressure sensitive adhesive layer comprises a pressure sensitive adhesive composition comprising (co)polymers of: a) (meth)acrylate ester of 2 alkyl alkanols wherein the molar carbon number average of said 2 alkyl alkanols is 12 to 32; and optionally b) (meth)acrylate esters of C alkanols; wherein the molar carbon number average of the alkanols of the a) and b) (meth)acrylic acid esters is 12 to 32; wherein the at least one opposing layer comprises at least one filler material selected from the group of filler particles wherein the filler particles are expanded perlite. The invention is also directed to a method for the manufacturing of such a multilayer PSA film and its use.

No. of Pages: 37 No. of Claims: 33

(21) Application No.2286/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :25/03/2014 (43) Publication Date : 12/06/2015

### (54) Title of the invention: POLYMERIC NANOFOAM

:NA

:NA

(51) International classification :C08J9/00,B32B5/32,C08J9/12 (71)Name of Applicant : 1)DOW GLOBAL TECHNOLOGIES LLC (31) Priority Document No :61/541309 (32) Priority Date :30/09/2011 Address of Applicant :2040 Dow Center Midland MI 48674 (33) Name of priority country :U.S.A. U.S.A. (86) International Application No :PCT/US2012/055263 (72) Name of Inventor: Filing Date :14/09/2012 1)COSTEUX Stphane (87) International Publication No :WO 2013/048761 2)BUNKER Shana P. (61) Patent of Addition to 3)JEON Hyun K. :NA **Application Number** 4) JOG Prasanna K. :NA Filing Date (62) Divisional to Application

#### (57) Abstract:

Filing Date

Number

A polymeric nanofoam has a continuous polymer phase containing at least one (meth)acrylic free acrylonitrile containing copolymer and at least one (meth)acrylic polymer where the concentration of (meth)acrylic polymer is in a range of 5 90 weight percent of the total continuous polymer phase while the amount of methacrylic copolymer is 50 weight percent or less of the total continuous polymer phase; the polymeric foam having a porosity of at least 50% an absence of nano sized nucleating additives and at least one of the following: (a) a number average cell size of 500 nanometers or less; and (b) an effective nucleation site density of at least 1 x 1014 sites per cubic centimeter of prefoamed material. The total weight of copolymerized acrylonitrile is in a range of 3 28 weight percent based on total continuous polymer phase weight. At least one (meth)acrylic free acrylonitrile containing copolymer has a higher glass transition temperature than all of the (meth)acrylic polymers.

No. of Pages: 21 No. of Claims: 12

(22) Date of filing of Application :06/12/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: AUTHENTICATED VEHICULAR PARKING AND PARKED VEHICLE IDENTIFIER SYSTEM

:G08G	(71)Name of Applicant:
:NA	1)SRIVATSAN. S
:NA	Address of Applicant :NO. 3, KALYANA SUNDARAM
:NA	STREET, MUTHULAKSHMI NAGAR, CHITLAPAKKAM,
:NA	CHENNAI - 600 064 Tamil Nadu India
:NA	(72)Name of Inventor:
: NA	1)SRIVATSAN. S
:NA	
:NA	
:NA	
:NA	
	:NA :NA :NA :NA :NA :NA :NA :NA

#### (57) Abstract:

This system focuses on providing an authenticated vehicular Parking Spot finder and mobile based Locator service for different campuses, in a centralized fashion for a particular city. The essential components of this service include the Vehicular onboard Unit (VBU, used as a unique identification for the Vehicle where each vehicle is assigned a unique identifier) and the Users officially registered mobile, both associated with the uniquely assigned registration number of the user. All the users are provided with a unique registration number (for a particular city) and each of this number is associated with the users mobile number. The VBU is recognized while the user enters the parking bay and the UPVIN (Unique Parked Vehicle Identification Number) along with the Parking Slot Code (PSC) is sent to the users officially registered mobile. The main pre- requisite is the assumption of association of the vehicle ownership (VBU) with the unique registration number of the user. This service also would help in reducing the manual work involved in the entire process, along with the prevention of theft and misuse of the vehicle and the mobile interface would provide a convenient way to identify a parking spot while the vehicle enters the parking bay and subsequently for locating the parked vehicles along with the vehicular trafficking.

No. of Pages: 18 No. of Claims: 9

(21) Application No.2218/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :24/03/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: DRY TYPE TRANSFORMER

:H01F27/28,H01F29/02 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)ABB TECHNOLOGY AG :11179279.2 (32) Priority Date :30/08/2011 Address of Applicant: Affolternstrasse 44 CH 8050 Zurich (33) Name of priority country :EPO Switzerland (86) International Application No :PCT/EP2012/066568 (72) Name of Inventor: Filing Date :27/08/2012 1)ROY MART • N Carlos (87) International Publication No :WO 2013/030139 2)NOGU‰S BARRIERAS Antonio (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 dry type transformer comprising a winding (101) with a tapping zone (110) the tapping zone (110) being the zone wherein at least two connections can be made allowing to change the number of turns of the winding (100) and thus change the turn ratio of the transformer and with at least a first non tapping zone (120) wherein the winding (100) comprises a conductor having in at least part of the tapping zone (110) a first width (w) in the axial direction (x) of the winding (100) and having in at least part of the first non tapping zone (120) a second width (w) in the axial direction (x) of the winding the first width (w) being smaller than the second width (w).

No. of Pages: 13 No. of Claims: 15

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A THROTTLE BODY AND A 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> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Bosch Limited Address of Applicant:Post Box No 3000, Hosur Road, Adugodi, Bangalore 560030, Karnataka, INDIA 2)Robert Bosch GmbH (72)Name of Inventor: 1)RAMACHANDRA Pradeep 2)ANANTHA Prashanth
(61) Patent of Addition to Application Number Filing Date	:NA :NA	2)ANANTHA Prashanth
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention discloses a throttle body for controlling air flow to an engine and a method to manufacture the same. The throttle body has an encoded data matrix (M) corresponding to its air flow characteristics inscribed on the throttle body. This encoded data matrix is machine readable. Actual air flow characteristics of a throttle body are measured for each throttle body manufactured. Measured air flow characteristics of the throttle body are encoded to form a data matrix and this data matrix is inscribed on the throttle body. The inscribed encoded data matrix on the throttle body is scanned by a scanning means in communication with the engine ECU. ECU decodes the encoded data matrix to obtain air flow characteristics of the throttle body which are stored in the ECU memory. The operation of the engine is controlled by these air flow characteristics which are stored in the memory.

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

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : PROCESS FOR THE IN-SITU PREPARATION OF FIPRONIL, AN INSECTICIDE AND ANTIPARASITIC AGENT VIA THIA-FRIES REARRANGEMENT

<ul><li>(51) International classification</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>	:A01N :NA :NA :NA :NA	(71)Name of Applicant:  1)Hyderabad Chemicals Limited    Address of Applicant :A 24/25, APIE, Balanagar, Hyderabad 500037 A.P. India (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA : NA :NA :NA :NA :NA	1)BATHULA SURENDRA BOSE 2)JOSEPH LEO CEASAR 3)NELAVELLI MALLESWARA RAO 4)NELLORE SUKUMAR

#### (57) Abstract:

The invention relates to a novel in-situ process involving sulfinylation of a heterocyclic compound with sodium trifluoromethane sulfinate and by using stoichiometric quantity of thionyl chloride to produce Fipronil, an insecticide and antiparasitic agent and the process effectively minimizes the undesirable formation of the major impurity i.e. fipronil sulfide which would be difficult to get it separated from the end product.

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

(22) Date of filing of Application :06/12/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: LED BASED PEPPER'S GHOST SYSTEM PROVIDING 3D VIEWING EXPERIENCE

<ul> <li>(51) International classification</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>	:H04N 5/00 :NA :NA :NA :NA :NA : NA	(71)Name of Applicant:  1)MIC ELECTRONICS LIMITED  Address of Applicant: A-4/II, ELECTRONIC COMPLEX,  KUSHAIGUDA, HYDERABAD - 500 062 Andhra Pradesh India  (72)Name of Inventor:  1)DR. M.V. RAMANA RAO
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention is a LED based Peppers Ghost Technique (like Holographic Display) realised by deploying LED video display screens for providing 3D viewing experience of Peppers Ghost virtual images with rich colour, contrast and clarity to cater to various indoor and outdoor applications. While True colour Real LED TVs can be deployed for showing the image to be displayed in the holographic form in outdoor situations, LCD/Plasma TVs can also be used for same purpose in indoor applications. Live or a stored holographic content is fed from a central server to a Holographic Display (LED Video Display Screen). În addition, the same content will be automatically converted and fed to a host of other heterogeneous terminals like Big LED Video Walls, Plasma TVs, LCD (LED backlit) TVs, LED video display screens etc for a simultaneous display as if it is fed from the original / live in 2D or 3D. The invention eliminates the need for deploying conventional opto-mechanical projection systems, and thus optimizes the space occupied and the operation & maintenance related issues and also avoids the problems associated with Opto-Mechanical projection systems. The Peppers Ghost images that can be realised with true colour LED video displays are distinctly characterised by the capability to show large, life size images with rich colour, intensity and depth, which can not be obtained with conventional projection systems or with plasma / LED-backlit LCD displays. This capability is essentially because of the modular construction of LED displays, virtually to any size and shape; wide range of pixel pitches & resolutions; and as many as 280 trillion color combinations achieved by 16-bit colour processing technique. Further, the LED displays have an operating life of more than 50,000 hours. Unique features like high brightness, dynamic content management, configurability to customize special applications, wide viewing angle and day light visibility of the True colour LED displays position them superior for deployment in the Peppers Ghost image applications in comparison with the present projection systems. The application range covers Mass Communications, Education & Training, Entertainment and Advertisements etc for centralised or dispersed viewer communities.

No. of Pages: 27 No. of Claims: 19

(21) Application No.2210/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :22/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: MELT DEVOLATILIZATION EXTRUSION PROCESS

(51) International classification :C08J3/00,B29C47/76,C08C2/02 (71)Name of Applicant : (31) Priority Document No 1)DOW GLOBAL TECHNOLOGIES LLC :61/539939 (32) Priority Date :27/09/2011 Address of Applicant :2040 Dow Center Midland MI 48674 (33) Name of priority country U.S.A. :U.S.A. (86) International Application (72) Name of Inventor: :PCT/US2012/055489 1)KIM Eung Kvu :14/09/2012 Filing Date 2) BEAUDOIN Daniel A. (87) International Publication No: WO 2013/048785 3)BARGER Mark A. (61) Patent of Addition to 4)LENG Ronald B. :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

## (57) Abstract:

Brominated organic polymer solutions from a bromination reaction are devolatilized in a devolatilizing extruder. A starting organic polymer is brominated in solution to form a brominated polymer solution. This solution is combined with a second thermoplastic polymer to form a concentrated solution. The solvent and other volatile compounds are removed from the concentrated solution in a devolatilizing extruder to form a devolatilized polymer blend.

No. of Pages: 30 No. of Claims: 20

(22) Date of filing of Application :22/03/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: ASSISTING USE OF CONTROL DEVICES WITH DIFFERENT ELECTRONIC 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> <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>	:28/09/2012 :WO 2013/049630 :NA :NA :NA	(71)Name of Applicant:  1)ECHOSTAR TECHNOLOGIES L.L.C. Address of Applicant:100 Inverness Terrace East Englewood Colorado 80112 U.S.A. (72)Name of Inventor: 1)REAMS William R.
Number Filing Date	:NA	

### (57) Abstract:

A remote determines an acknowledgement is not received for a command transmitted to a first device broadcasts a discovery message receives a response from a second device that received the discovery message and a proximity signal from the remote and configures itself to control the second device. The remote may also transmit an acknowledgement to the second device. The second device may notify the first device. In various implementations configuration information in the response may include pairing information and the remote may unpair itself from the first device and pair with the second device. In some implementations the remote may include a table for controlling devices and the remote may utilize an entry in the table for the second device instead of the first device. In various implementations the remote may receive responses to the discovery message from multiple devices and may select one to configure itself to control.

No. of Pages: 47 No. of Claims: 40

(21) Application No.5519/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :29/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : A SYSTEM AND METHOD FOR MANAGING THE HEALTH AND WELLBEING OF AN INDIVIDUAL

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:G06F :NA	(71)Name of Applicant : 1)Elangalloor Sam M
(32) Priority Date	:NA	Address of Applicant :No. 50, NTV Nagar, Elangalloor House,
(33) Name of priority country	:NA	Kadappakada PO, Kollam 691008. Kerala India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Elangalloor Sam 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:

The present invention relates to system and method for managing the health and wellbeing of an individual which reminds the patient on taking medicine based on doctor prescribed dosage, time and dietary conditions. This is very useful for patients suffering from diseases such as thyroid, diabetes, high blood pressure etc who have to take medicines daily for years. The invention also provides other functionalities such as giving pre-hand notification regarding medicine run-out, keeping backup of the prescriptions, reminder about doctor visits and test to be done, aids in online doctor consultation.

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

(22) Date of filing of Application :09/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A PESTICIDAL COMPOUND EXHIBITING LARVICIDAL AND PUPICIDAL ACTIVITIES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A01N :NA :NA	(71)Name of Applicant:  1)MURUGESAN SAKTHIVADIVEL Address of Applicant: RESEARCH SCIENTIST II, KING
(33) Name of priority country	:NA	INSTITUTE OF PREVENTIVE MEDICINE AND RESEARCH,
(86) International Application No	:NA	GUINDY, CHENNAI - 600 032 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MURUGESAN SAKTHIVADIVEL
(61) Patent of Addition to Application Number	:NA	2)PALANI GUNASEKARAN
Filing Date	:NA	3)SRINIVASAN SIVASUBRAMANIAN
(62) Divisional to Application Number	:NA	4)SAKTHIVADIVEL JEYABHARATHI
Filing Date	:NA	

### (57) Abstract:

The present invention relates to a novel compound 9E,11E-1-(13,14-dimethyly pentadecyloxy)-2,7-dimethyl pentacosa-9,11-diene-2,7-diol possessing larvicidal and pupicidal activities against pest. The invention further discloses a formulation exhibiting larvicidal and pupicidal activities for controlling pest comprises of biologically effective amount of a compound 9E,11E-1-(13,14-dimethyly pentadecyloxy)-2,7-dimethyl pentacosa-9,11-diene-2,7-diol and at least one additional component.

No. of Pages: 21 No. of Claims: 6

(22) Date of filing of Application :09/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR MAINTAINING AND DISPLAYING THE VOTER LIST OR CUSTOMER LIST CORRESPONDING TO A PARTICULAR CONSTITUENCY OR AREA ON A DESIGNATED PLATFORM

(51) International classification	:G07f	(71)Name of Applicant:
· · ·		
(31) Priority Document No	:NA	1)VANTIPALLI VIJAY KRISHN
(32) Priority Date	:NA	Address of Applicant :DR.NO.7-1-210/211, 5TH FLOOR,
(33) Name of priority country	:NA	BURUGULA'S V.C. COMPLEX, AMEERPET, HYDERABAD
(86) International Application No	:NA	Andhra Pradesh India
Filing Date	:NA	2)SARALA KETINENI
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)VANTIPALLI VIJAY KRISHN
Filing Date	:NA	2)SARALA KETINENI
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Exemplary embodiments of the present disclosure are directed towards a system and method for maintaining and displaying the voter/customer list corresponding to a particular constituency/geographical area of interest on a designated platform. The platform comprises of an interactive searching unit configured to enable the administrative member to search for one or more voters/customers in a preferred constituency/geographical area of interest, a voter/customer profile viewing unit configured to display a plurality of details of the voter/customer, a report generating unit enabled to generate a voters/customers list based on predefined categories criteria, a voters/customers grouping unit enabling the administrative member to create groups based on plurality of predetermined criteria corresponding to a particular polling booth/ geographical area of interest and a centralized data repository unit configured to store the details of the voters/customers corresponding to a polling booth/constituency/geographical area of interest.

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

(21) Application No.2212/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :22/03/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: COMPOSITE POLYAMIDE MEMBRANE DERIVED FROM CARBOXYLIC ACID CONTAINING ACYL HALIDE MONOMER

(51) International :B01D69/12,B01D71/56,B01D67/00

classification

(31) Priority Document No :61/540555 (32) Priority Date :29/09/2011 (33) Name of priority country:U.S.A.

(86) International :PCT/US2012/055271

Application No :14/09/2012 Filing Date

(87) International Publication :WO 2013/048765

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA

Filing Date

(71)Name of Applicant:

1)DOW GLOBAL TECHNOLOGIES LLC

Address of Applicant :2040 Dow Center Midland MI 48674

U.S.A.

(72) Name of Inventor:

1)ROY Abhishek 2) JONS Steven D. 3)KOOB Joseph D.

4)PEERY Martin H. 5)QIU XiaoHua Sam

6)ROSENBERG Steven 7) TOMLINSON Ian A.

## (57) Abstract:

A method for making a composite polyamide membrane comprising the step of applying polyfunctional amine and acid halide monomers to a surface of a porous support and interfacially polymerizing the monomers to form a thin film polyamide layer. The method further includes the step of conducting the interfacial polymerization in the presence of: a carboxylic acid monomer comprising an aliphatic or aromatic moiety substituted with single carboxylic acid functional group and at least one acyl halide functional group and a tri hydrocarbyl compound.

No. of Pages: 21 No. of Claims: 14

(21) Application No.2214/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :24/03/2014 (43) Publication Date: 12/06/2015

### (54) Title of the invention: LIGHT EMITTING DEVICE

:H05B37/02,F21S2/00,F21S9/03 (71)Name of Applicant : (51) International classification

:2011262450 (31) Priority Document No (32) Priority Date :30/11/2011

(33) Name of priority country :Japan

(86) International Application No:PCT/JP2012/080025

Filing Date :20/11/2012 (87) International Publication No: WO 2013/080836

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)PANASONIC CORPORATION

Address of Applicant: 1006 Oaza Kadoma Kadoma shi Osaka

5718501 Japan

(72) Name of Inventor: 1)KODAMA Naofumi 2)SUENAGA Toshiharu 3)SONODA Masato

#### (57) Abstract:

A light emitting device comprising: a planar light emitting unit having a light emitting surface and a non light emitting surface; a planar solar power generation unit having a light receiving section and a non light receiving section; and a storage battery. A photoelectric conversion unit is configured by arranging the light emitting unit and the solar power generation unit such that the non light emitting surface and the non light receiving surface are facing. The light emitting device also comprises: a posture detection unit that detects the posture of the photoelectric conversion unit; and a connection switching unit that selectively connects the storage battery and either the light emitting unit or the solar power generation unit and which is arranged between the non light emitting surface of the light emitting unit and the non light receiving surface of the solar power generation unit. The connection switching unit connects the storage battery to the solar power generation unit if the posture detection unit has detected that the light receiving surface of the solar power generation unit has a posture whereby same is turning towards a first direction in the photoelectric conversion unit; and the connection switching unit connects the storage battery to the light emitting unit if the posture detection unit has detected that the light emitting surface of the light emitting unit has a posture whereby same is turning towards the first direction in the photoelectric conversion unit.

No. of Pages: 46 No. of Claims: 4

(22) Date of filing of Application :09/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PROGRESSIVE LENS SELECTOR AND TRAINER

(51) International classification	:G02C	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PALGHAT VISWANATH PRAKASH
(32) Priority Date	:NA	Address of Applicant :IYER INNO, 39/B, 'AARABI', FIRST
(33) Name of priority country	:NA	FLOOR, POONTHOTTAM 1ST STREET, NANGANALLUR,
(86) International Application No	:NA	CHENNAI - 600 061 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PALGHAT VISWANATH PRAKASH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

People with both myopic and hypermetropic problem, have a choice of using two separate spectacles or one spectacle with bifocals to overcome the deficiency. Leading companies of the world have made enormous progress and today we have progressive lenses, which address both myopia and hypermetropia powers seamlessly in a single lens. It takes considerable time and practice to get used t the new lenses. This invention relates to a simple, easy to use tool which helps in selecting a progressive lens of suitable visual zone. Subsequently the tool will help in quickly training the user to position appropriately and use. Later when there is any change to the physical dimension of the frame or nose bridge, the tool will again help in calibrating the optimum position.

No. of Pages: 8 No. of Claims: 3

(21) Application No.5663/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :09/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: SIMPLE HOUSEHOLD DOUGH PORTIONER

(51) International classification	:A21D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)PALGHAT VISWANATH PRAKASH
(32) Priority Date	:NA	Address of Applicant :IYER INNO, 39/B, 'AARABI', FIRST
(33) Name of priority country	:NA	FLOOR, POONTHOTTAM 1ST STREET, NANGANALLUR,
(86) International Application No	:NA	CHENNAI - 600 061 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PALGHAT VISWANATH PRAKASH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Many households prepare dough products as part of their staple diet. Examples include chapathis, phulkas, pooris, tortillas, naans, parottas, etc. In all the cases atta has to be kneaded to produce dough. This dough is subsequently portioned for flattening to desired shape and thickness for further processing. The portioning happens by experience. Variation from piece to piece is common resulting in uneven quantity - weight / shape or size / thickness. The invention of this device overcomes this problem by providing equal quantity repeatedly.

No. of Pages: 10 No. of Claims: 4

(21) Application No.2246/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :25/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: PURIFICATION 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 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>	:C07F9/02 :61/541291 :30/09/2011 :U.S.A. :PCT/US2012/054197 :07/09/2012 :WO 2013/048701 :NA :NA :NA	(71)Name of Applicant:  1)DOW TECHNOLOGY INVESTMENTS LLC Address of Applicant: 2020 Dow Center Midland MI 48674 U.S.A. (72)Name of Inventor: 1)MILLER Glenn A.
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## (57) Abstract:

A process for reducing the level of contaminant metals in ligands used in the preparation of catalysts is disclosed.

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

(21) Application No.2247/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :25/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: RETRIEVING IMAGES

<ul> <li>(51) International classification</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>	:G06K9/00 :13/248419 :29/09/2011 :U.S.A. :PCT/US2012/057581 :27/09/2012 :WO 2013/049361 :NA	(71)Name of Applicant: 1)GOOGLE INC. Address of Applicant: 1600 Amphitheatre Parkway Mountain View CA 94043 U.S.A. (72)Name of Inventor: 1)JACKSON Dean K.
Filing Date (87) International Publication No	:27/09/2012 :WO 2013/049361	` '
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A system includes: receiving first information about a device where the first information includes data corresponding to a location of the device and a time at which the device was at the location; identifying one or more images associated with second information that is within a range of the first information where the second information for an image includes data corresponding to a location at which the image was captured and a time at which the image was captured and where the location at which the image was captured and a time at which the image was captured are within a range of the location of the device and the time at which the device was at the location; and retrieving the one or more images associated with the second information.

No. of Pages: 37 No. of Claims: 18

(21) Application No.5529/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :29/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A POPPET VALVE

<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>	:A47L :NA :NA :NA	(71)Name of Applicant:  1)Robert Bosch Engineering and Business Solutions Limited Address of Applicant: 123, Industrial Layout, Hosur Road, Koramangala, Bangalore 560095, Karnataka, INDIA
(86) International Application No	:NA	2)Robert Bosch GmbH
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)KUMAR Mohan
(61) Patent of Addition to Application Number	:NA	2)GUPTA Narendra
Filing Date	:NA	3)KANDASAMY Varun
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The current invention relates to a 3/2 poppet valve. The 3/2 valve comprises a piston operating between a hydraulic section and a pneumatic section of the valve. A poppet is located in the hydraulic section and is connected to the piston and controlling operation of the valve. A diaphragm is located in the pneumatic section for controlling a movement of the piston. The valve is characterized in that a pair of permanent magnetic plates is placed in close proximity to the diaphragm and located on either side of the diaphragm and cushioning O-Rings are connected to the diaphragm and controlling a movement of the diaphragm.

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

(22) Date of filing of Application :29/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: AN ADAPTIVE CRUISE CONTROL (ACC) SYSTEM

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date  SN.	Address of Applicant: 123, Industrial Layout, Hosur Road, Koramangala, Bangalore 560095, Karnataka, INDIA 2)Robert Bosch GmbH (72)Name of Inventor: 1)THANGAVEL Anbalagan 2)RAJ Arjun 3)RAMACHANDRAN Hari Priya 4)SELVARAJ Niranjani Devi 5)SINGH Kumar Shantanu
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### (57) Abstract:

The current invention discloses an adaptive cruise control (ACC) system in a vehicle with a camera capturing at least one image of a road in front of the vehicle. The ACC system of the current invention is characterized in that an image processing means receiving the at least one image of the road from the camera determines a friction co-efficient of the road and a safety calculation means calculates a safety index of the vehicle depending on the determined friction co-efficient of the road.

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

(21) Application No.5531/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :29/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A DIESEL OXIDATION CATALYST IN AN EXHAUST GAS AFTER 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> <li>(87) International Publication No</li> </ul>	:NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Bosch Limited Address of Applicant:Post Box No 3000, Hosur Road, Adugodi, Bangalore 560030, Karnataka, INDIA 2)Robert Bosch GmbH (72)Name of Inventor:  1)KALINGANAHALLY Umosh Povindro
<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>	: NA :NA :NA :NA :NA	1)KALINGANAHALLY Umesh Ravindra 2)MUNIRAJU Sanjayq

### (57) Abstract:

A diesel oxidation catalyst 10 in an exhaust gas after treatment device 20 in a vehicle, the diesel oxidation catalyst 10 comprises at least two sections (12, 14) adapted to oxidize a plurality of diesel particles. The at least two sections (12, 14) are connected upstream of the diesel particulate filter 22. One section 12 of the diesel oxidation catalyst will have a lower cells per square inch and an another section 14 will have a higher cells per square inch.

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

(22) Date of filing of Application :09/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: ELECTRONIC GEAR FOR INDUCTION MOTOR

(51) International classification	:H01J	(71)Name of Applicant:
(31) Priority Document No	:NA	1)MRS. KALAIMATHI GUNASEKARAN
(32) Priority Date	:NA	Address of Applicant :RMG ELECTROMECH (P) LTD, NO.
(33) Name of priority country	:NA	41 & 42, SMR LAYOUT, KEREGUDDADAHALLI,
(86) International Application No	:NA	CHIKKABANAVARA P.O, BANGALORE - 560 090 Karnataka
Filing Date	:NA	India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)MRS. KALAIMATHI GUNASEKARAN
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Conventionally to vary the speed of the induction motor, frequency and applied voltage is varied suitably using the pulse width modulation technique. However when the speed of the motor is reduced by this method, the torque increase is minimal and it is no where near that is obtained when mechanical reduction gear is used. In this invention to increase the torque of the induction motor, in addition to the conventional pwm pulses, extra pulses are applied to the stator. These extra pulses produce temporary amplitude variation in the resultant magnetic flux with out changing the resultant magnetic flux position of the motor. This changing magnetic flux induces the additional current in the rotor in addition to the conventionally induced current due to the relative motion between the rotor and the rotating magnetic field. Due to the newly induced extra current in the rotor, torque of the motor is increased substantially.

No. of Pages: 14 No. of Claims: 2

(21) Application No.2201/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :21/03/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: SERIES OF WRISTBANDS AND WRISTBAND

:01/11/2012

:PCT/JP2012/007007

:WO 2013/073123

(51) International classification :G09F3/02,A61G12/00,G09F3/16 (71)Name of Applicant:

(31) Priority Document No :2011253009 (32) Priority Date :18/11/2011

(33) Name of priority country :Japan

(86) International Application No

Filing Date

(87) International Publication

(61) Patent of Addition to

:NA **Application Number** :NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

(57) Abstract:

1)SATO HOLDINGS KABUSHIKI KAISHA

Address of Applicant: 7 1 Shimomeguro 1 chome Meguro ku

Tokyo 1530064 Japan (72) Name of Inventor:

1)KONUMA Hiroyuki

2)KOBAYASHI Kazuyuki

[Problem] To provide a series of wristbands used for a mother and a child in an integrated fashion and also to provide a wristband such that when a wristband (4) is separated from the series of wristbands or when the wristband for the mother and wristband for the child are worn by the mother the child wristband does not unexpectedly separate. [Solution] A separation resistance between a mother wristband (7) and a child wristband (8) is increased. A band base (2) has a band support (3) and a wristband (4) that is formed with the outer edge boundary (6) thereof being arranged inside the support (3). The wristband (4) has the mother wristband (7) and the child wristband (8) integrally formed next to each other with an inner edge boundary (9) therebetween while the separation resistance at the inner edge boundary (9) is greater than that at the outer edge boundary (6).

No. of Pages: 32 No. of Claims: 12

(22) Date of filing of Application :04/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : AN AREA-EFFICIENT PROCESS-AND-TEMPERATURE-ADAPTIVE SELF-TIME SCHEME FOR PERFORMANCE AND POWER IMPROVEMENT

<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>	:NA :NA	(71)Name of Applicant: 1)LSI CORPORATION Address of Applicant:1320 RIDDER PARK DRIVE, SAN JOSE, CA 95131 U.S.A.
(86) International Application No Filing Date		(72)Name of Inventor: 1)ANKUR GOEL
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	2)DHARMENDRA KUMAR RAI
Filing Date	:NA	3)BISWA BHUSAN SAHOO
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In certain embodiments, a method and apparatus for adjusting the timing of a sense-amplifier read operation in an SRAM integrated memory circuit to overcome process-and-temperature variations are disclosed. A charge-injection pull-up transistor is provided to adjust the rate at which a signal line (e.g., a tracking bit line (TBL) and/or a clock signal (e.g., GCLKB)) transitions from one voltage level to another voltage level. A process-and-temperature-dependent bias circuit is provided to control the charge-injection pull-up transistor. The bias circuit causes the charge-injection pull-up transistor to adjust the discharge rate or transition rate of the signal line to compensate for timing delays caused by process or temperature variations.

No. of Pages: 21 No. of Claims: 20

(22) Date of filing of Application :04/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A METHOD OF PERFORMING ONE OR MORE ACTIONS ON AN ELECTRONIC DEVICE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES INDIA PVT. LTD. Address of Applicant: No.23, Level 3 & 4, Leela Galleria,
(33) Name of priority country (86) International Application No	:NA :NA	Airport Road, Bangalore-560017, Karnataka, INDIA (72)Name of Inventor:
Filing Date	:NA	1)PRANSHU JOSHI
(87) International Publication No	: NA	2)UMESH S
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)SANTOSH KUMAR NATH
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Embodiment of the present disclosure relates to user interface technologies of an electronic device. The present disclosure relates to a method of performing one or more actions on an electronic device. The method comprises selecting at least one item from one or more items displayed on a user interface of the electronic device. The at least one item is selected by touching the at least one item for a predetermined time. After selecting the at least one item, the at least one item is dragged towards one of one or more context based utilities on the user interface. Each of the one or more context based utilities corresponds to a preconfigured action. Then, the at least one item is dropped on the one or more context based utilities to perform corresponding preconfigured action.

No. of Pages: 34 No. of Claims: 13

(21) Application No.10302/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :10/12/2012 (43) Publication Date : 12/06/2015

# (54) Title of the invention: POLYMORPHIC FORMS OF WARFARIN POTASSIUM AND PREPARATIONS THEREOF

:C07D311/56,A61K31/352 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)APOTEX PHARMACHEM INC. :61/346680 (32) Priority Date :20/05/2010 Address of Applicant :34 Spalding Drive Brantford Ontario (33) Name of priority country :U.S.A. N3T 6B8 Canada (86) International Application No (72) Name of Inventor: :PCT/CA2011/000572 Filing Date :20/05/2011 1)BODHURI Prabhudas (87) International Publication No :WO 2011/143747 2) WEERATUNGA Gamini (61) Patent of Addition to Application 3)MURTHY Keshava K.S.

(61) Patent of Addition to Application
Number
Filing Date

(22) Print and Application Number
NA

(62) Divisional to Application Number :NA Filing Date :NA

(57) Abstract:

There is provided crystalline solvate forms of Warfarin potassium termed APO I and APO II and processes for making APO I and APO II are polymorphic solvate forms of Warfarin potassium.

No. of Pages: 31 No. of Claims: 34

(22) Date of filing of Application :03/12/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: AUTOMATIC HELMET DETECTION SYSTEM FOR TWO WHEELERS

<ul> <li>(51) International classification</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 :NA :NA : NA	(71)Name of Applicant: 1)VIT UNIVERSITY Address of Applicant: VELLORE - 632 014 Tamil Nadu India (72)Name of Inventor: 1)KALIYAPERUMAL GANESAN 2)ANKIT JAIN 3)CHANDRA SHEKHAR PUJARI
<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	S)CHANDRA SHEKHAK PUJAKI

#### (57) Abstract:

In developing countries like India, during road accidents many two-wheeler drivers (and riders) get very serious injuries, often leading to severe head injuries and death. Even though the traffic regulations insist on wearing helmets while driving a two-wheeler, many people simply ignore it for various reasons. In order to enforce this regulation effectively, the (traffic) police needs to shell out considerable amount of man power and time. To reduce this problem, the present invention discloses an automatic image/video processing based system which will not only identify whether the person who is driving the two-wheeler is wearing the helmet or not, but also detect his vehicles number (license) plate and hence the registration number of the two-wheeler. By searching the registration number of the vehicle, in the relevant database, the system can obtain necessary contact details (such as phone number, e-mail and postal address) and send an automatic ticket, asking for explanations. As the present system is also interfaced with a GPS device, and the timer circuit, it can be used for legal proceedings as it records the relevant images with location, date and time information. The proposed system can be located at strategic locations such as traffic junction, tool plazas etc.

No. of Pages: 17 No. of Claims: 10

(22) Date of filing of Application :03/12/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: IMAGING BASED AUTOMATIC VEHICLE WINDSHIELD/WINDOW TINT DETECTION SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:H04N7/00 :NA :NA	(71)Name of Applicant: 1)VIT UNIVERSITY Address of Applicant:VELLORE - 632 014 Tamil Nadu India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)KALIYAPERUMAL GANESAN
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:

In many countries (such as India), the Government regulates the vehicle windshield/window tinting through law. For safety reason, various states impose a certain percentage of visible light transmission (typically 35%) value only to be used in their vehicle windshield/window, while tinting them. But for privacy reason, many people violate this Visual Transmission Level (VTL) value and use tint sheet whose value exceeds the limits prescribed by the Government norms. In the proposed invention, we design a video/imaging based diagnostic system that not only identifies the vehicle (through road side video surveillance cameras) but also locates the windshield/window regions. Subsequently using an appropriate algorithm it finds out whether a tint sheet is being used in the vehicle window/windshield or not. If used, it calculates the VTL value by processing the necessary videos/images. If it exceeds the Government prescribed norms then it automatically extracts the number plate (license plate) of the vehicle and sends the same to the law enforcement authorities along with the GPS (latitude and longitude) details, date and time. The captured images can be sent to the owner of the vehicle as an evidence for issuing the necessary tickets.

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

(22) Date of filing of Application :03/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: DYNAMIC BRAKE FORCE DISPLAY (REAR)

(51) International classification (31) Priority Document No	31/00 :NA	(71)Name of Applicant:  1)VIT UNIVERSITY  Address of Applicant: VELLORE - 632 014 Tamil Nadu India
<ul><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:NA :NA	(72)Name of Inventor: 1)RAMMOHAN A
(86) International Application No Filing Date	:NA :NA	2)KALIYAPERUMAL GANESAN 3)SREE HARSHA K
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA	4)NAVANEETH ANKAM
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

### (57) Abstract:

Safety is the top most priority while commuting from one place to another. The present invention idea is a step to improve the vehicle safety. Dynamic Brake Force Display system avoids rear end collisions and loss of control of the preceding vehicle with the help of a visual indication. This visual indication comprising of display lights is placed at the relevant location of the vehicle and it displays the extent of braking of the vehicle. By doing so, the vehicles preceding will understand the extent of braking and thus obtaining longer time to react to the situation ahead.

No. of Pages: 11 No. of Claims: 4

(22) Date of filing of Application :03/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: MOBILE USAGE DENIAL SYSTEM WHILE DRIVING VEHICLES

(31) Priority Document No :NA 1)VIT UNIVERSITY	<ul> <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 :NA :NA : NA :NA :NA	Address of Applicant :VELLORE - 632 014 Tamil Nadu India (72)Name of Inventor : 1)KALIYAPERUMAL GANESAN
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## (57) Abstract:

The present disclosure provides a method to ensure that the driver is not able to make/receive phone calls while driving. In India, an estimated 1.35 lakhs person die every year due to road accidents. This is approximately 10% of the road accident fatalities happening at Worldwide and these figures are the highest in the world. But still no research has been carried out to find the number of drivers using cell phone involved in road accident and very limited efforts have been carried out to prevent the accidents due to cell phone usage. The proposed invention introduces a system wherein a short range mobile jammer is installed in a vehicle and it is activated whenever the vehicle is in other than neutral gear position. The proposed jammer consists of power section, frequency generation section, switching, radio frequency section and systems interface with gear assembly unit, microcontrollers, sensors, relay, etc.

No. of Pages: 13 No. of Claims: 7

(21) Application No.2250/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :25/03/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: COOLING AND RETAINING BODY FOR HEATING ELEMENTS HEATING APPLIANCE AND METHOD FOR PRODUCING A COOLING AND RETAINING BODY

:H05B3/06,H05B3/50,F24H9/18 (71)Name of Applicant : (51) International classification

(31) Priority Document No :10 2011 054 750.9

(32) Priority Date :24/10/2011

(33) Name of priority country :Germany

(86) International Application No: PCT/EP2012/070867 Filing Date :22/10/2012

(87) International Publication No: WO 2013/060645

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)STEGO HOLDING GMBH

Address of Applicant : Kolpingstrae 21 74523 Schwbisch Hall

(72) Name of Inventor: 1)MANGOLD Elmar

### (57) Abstract:

The invention relates to a cooling and retaining body for heating elements (10) in particular PTC heating elements having a heating element holder (11) in which the heating elements (10) are mounted. The invention is distinguished in that the heating element holder (11) has a plurality of circumferentially distributed accommodating regions (15) in each of which at least one heating element (10) is arranged wherein the accommodating regions (15) are formed between an outer part (13) and an inner part (14) which is arranged in the outer part (13) and at least the outer part (13) has a polygonal profile with a number of corners (19a) connected by sides (19b) wherein the accommodating regions (15) are arranged in the corners (19a) of the polygonal profile and the sides (19b) of the polygonal profile are deformed elastically in order to generate a clamping force which acts on the respective heating elements (10).

No. of Pages: 29 No. of Claims: 12

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

(43) Publication Date: 12/06/2015

## (54) Title of the invention: APPARATUS AND METHODS FOR FACILITATING SIMULCASTING AND DE SIMULCASTING IN A DISTRIBUTED ANTENNA SYSTEM

(51) International :H04B7/06,H04W88/08,H04W40/02

classification

:61/547639 (31) Priority Document No (32) Priority Date :14/10/2011 (33) Name of priority

:U.S.A. country

(86) International :PCT/US2012/060075 Application No

:12/10/2012 Filing Date

(87) International Publication: WO 2013/056134

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)OUALCOMM INCORPORATED

Address of Applicant :Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121 1714 U.S.A.

(72)Name of Inventor:

1)SORIAGA Joseph B.

2)LOTT Christopher Gerard 3)ATTAR Rashid Ahmed Akbar

4)SALVI Rohan

## (57) Abstract:

An RF connection matrix may include first and second carrier specific RF connection matrix modules. The first carrier specific RF connection matrix module can be adapted to route a first downlink transmission to one or more remote antenna units for transmission on a first carrier. The second carrier specific RF connection matrix module can be adapted to route a second downlink transmission to one or more remote antenna units for transmission on a second carrier. Methods for facilitating simulcasting and de simulcasting may include receiving a signal associated with a sector ID which signal includes a first downlink transmission for a first carrier and a second downlink transmission for a second carrier. The first downlink transmission can be routed to one or more remote antenna units for transmission on the first carrier. The second downlink transmission can be routed to one or more remote antenna units for transmission on the second carrier.

No. of Pages: 63 No. of Claims: 20

(22) Date of filing of Application :03/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: DETECTION OF IMPROPER USE OF CLUCTH

(51) International classification	:F16D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)VIT UNIVERSITY
(32) Priority Date	:NA	Address of Applicant :VELLORE - 632 014 Tamil Nadu India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)RAMMOHAN A
Filing Date	:NA	2)KALIYAPERUMAL GANESAN
(87) International Publication No	: NA	3)SREE HARSHA K
(61) Patent of Addition to Application Number	:NA	4)NAVANEETH ANKAM
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
<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>	:NA :NA : NA :NA :NA :NA	(72)Name of Inventor: 1)RAMMOHAN A 2)KALIYAPERUMAL GANESAN 3)SREE HARSHA K

#### (57) Abstract:

Fuel efficiency along with low maintenance cost has been the main concern of all vehicle users. This idea of the present invention is a step to improve the fuel efficiency and reduce maintenance cost. Detection of Improper Use of Clutch is an idea to give an indication to the driver (audio) when the driver uses the clutch excessively and unnecessarily. Once the driver presses the clutch and doesnt release it without changing the gear, there are chances that clutch slips and then power is not transmitted effectively from engine to the wheels.

No. of Pages: 7 No. of Claims: 5

(21) Application No.5617/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :06/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: BURNER ASSEMBLY FOR FLUID HEATERS

(51) International classification	·f24c	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Robert Bosch Engineering and Business Solutions Limited
` '	:NA	Address of Applicant :123, Industrial Layout, Hosur Road,
(32) Priority Date		
(33) Name of priority country		Koramangala, Bangalore 560095, Karnataka, INDIA
(86) International Application No	:NA	2)Robert Bosch GmbH
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PANTANGI Vijaya Kumar
(61) Patent of Addition to Application Number	:NA	2)SHIVANNA Suresh
Filing Date	:NA	3)ISUKAPALLI Giridhar
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A burner assembly (100) comprising a first burner flute (30) comprising at least a first opening (34); a second burner flute (31) positioned adjacent to the first burner flute (30), the second burner flute (31) comprising at least a second opening (36); and wherein the first burner flute (30) is positioned such that a first flame (37) originating from the at least a first opening (34) of said first burner flute (30) impinges on a second flame (38) originating from the at least a second opening (36) of the second burner flute (31).

No. of Pages: 12 No. of Claims: 10

(21) Application No.5618/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :06/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A GAS BURNER

<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>	:NA :NA	(71)Name of Applicant:  1)Robert Bosch Engineering and Business Solutions Limited Address of Applicant: 123, Industrial Layout, Hosur Road, Koramangala, Bangalore 560095, Karnataka, INDIA
(86) International Application No Filing Date	:NA	2)Robert Bosch GmbH (72)Name of Inventor:
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	2)KUMAR Vijay
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	3)JAYARAM Vishwanath

## (57) Abstract:

The invention discloses a burner for domestic cooking. The burner comprises a burner head 12 where the gas and air mixture burns, a mixing tube 14 in which the gas is mixed with the air and supplied to the burner head 12, a nozzle 16 through which the gas enters the mixing tube 14 and ports 18 for entry of air into the mixing tube 14. The mixing tube 14 creates turbulence in the air-gas mixture aiding in better combustion. This is achieved by either arranging a guiding element in the mixing tube or by making the mixing tube in a zigzag shape.

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

1

(21) Application No.5619/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :06/12/2013 (4

(43) Publication Date: 12/06/2015

# (54) Title of the invention: A GAS BURNER

(51) International classification	·f24c	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Robert Bosch Engineering and Business Solutions Limited
(32) Priority Date	:NA	Address of Applicant :123, Industrial Layout, Hosur Road,
(33) Name of priority country		Koramangala, Bangalore 560095, Karnataka, INDIA
(86) International Application No	:NA	2)Robert Bosch GmbH
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PANTANGI Vijaya Kumar
(61) Patent of Addition to Application Number	:NA	2)KUMAR Vijay
Filing Date	:NA	3)JAYARAM Vishwanath
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention discloses a burner for domestic cooking. The burner comprises a burner head 12 where the gas and air mixture burns a mixing tube 14 in which the gas is mixed with the air and supplied to the burner head 12, a nozzle 16 through which the air enters mixing tube 14 and a pre-heating tube 18. The preheating tube 18 is disposed in the proximity of the burner head 12 and one end of the preheating tube 18 is connected to the mixing tube 14. The air which is in proximity of the burner head 12 is heated. This preheated air enters the pre-heating tube 18 and travels to the mixing tube 14. In the mixing tube 14, the pre-heated air mixes with gas thereby increasing the temperature of the mixture in the mixing tube, resulting in better combustion at the burner head 12.

No. of Pages: 11 No. of Claims: 9

(22) Date of filing of Application :06/12/2013 (43) Publication Date : 12/06/2015

(54) Title of the invention: ENERGY EFFICIENT THREE SETS OF STEPPED LOOP CORES BETWEEN THREE LIMBS AND TWO SETS OF STEPPED LOOP CORES IN EACH LIMB-EQUIVALENT TRIANGULUR THREE PHASE TRANSFORMER

(51) I	11021	
(51) International classification	:H02J	(71)Name of Applicant:
(31) Priority Document No	:NA	1)DR. KRISHNASAMY RAJAN
(32) Priority Date	:NA	Address of Applicant :S/O. G. KRISHNASAMY, 81, FIRST
(33) Name of priority country	:NA	STREET, SHANTHI NAGAR, SM NAGAR, PO, AVADI,
(86) International Application No	:NA	CHENNAI - 600 062 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. KRISHNASAMY RAJAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Across the world many transformer manufacturers are manufacturing shell and core type transformer. These transformers are having higher no load losses. Energy losses throughout the worlds electrical distribution networks amount to 1279 TWh[5]. After lines distribution, transformers are the second largest loss-making equipments in electrical networks. Transformers are relatively easy to replace, in comparison with lines or cables. Moreover, modern technology exists to reduce losses by up to 80%. The worldwide electricity savings potential of switching to high efficiency transformers is estimated to be at least 200 TWh[5]. This savings potential is not only technically advantageous, but also brings economic and environmental. They vary from country to country between 3.7% and 26.7% of the electricity use, which implies that there is a large potential for improvement. A reduction of energy consumption is an important advantage for the worlds environment conditions because of the resulting reduction in greenhouse gas emissions. The invention transformer works under magnetic principal. The transformer consists of 3 limps A, B and C for three phase operation and 1 coil is placed in each limp. Each coil has primary and secondary windings. The invention transformer The Energy Efficient, Three Sets of Stepped Loop Cores Between Three Limbs and Two Sets of Stepped Loop Cores in Each Limb - Equivalent Triangular Three Phase Transformer has very less no load losses. The loop cores are formed by continuously winding of a lamination of silicon core steel on a mandrel. In each limb area, there are two sets of stepped loop cores are available. There is a reduction of no load losses by 50 % and starting inrush current is very less. The audio noise level is also very less due to continuous silicon loop core. The total core weight reduction is 30 %. There is very less stray magnetic flux due to continuous loop core. The third harmonic level is also reduced. Three limb-coils are fixed at equivalent triangular position having identical currents, and hence the transformer is totally symmetrical three phase transformer. Reduction in losses requires lesser cooling arrangements. The top and bottom portion of all the loops are having equal level. The overall height of the invention transformer is reduced comparing standard E&I transformer. Normally 5 limbs transformer is used to reduce the height of the transformer to avoid transportation problem. Hence, the invention transformer will replace the 5 limbs transformer. The invention transformer is best suitable for silicon steel core and Amorphous metal core transformer.

No. of Pages: 16 No. of Claims: 10

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: TAIL LAMP REFLECTOR GUARD FOR A SCOOTER

(51) I	D (Q) ( (00	(71)N
(51) International classification	:B62J6/00	(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)KUMARI NISHA GUPTA
(61) Patent of Addition to Application Number	:NA	2)MEGANATHAN MOHANKUMAR
Filing Date	:NA	3)KURMAM SHANMUKHA PRADEEP
(62) Divisional to Application Number	:NA	4)KESHAVA PRASAD KESHAVA DATT
Filing Date	:NA	5)YOGESH CHANDRAKANT KOTNIS

### (57) Abstract:

Provided disclosure describes a reflector guard for reflector unit of the tail lamp assembly. This guard is made up of polymers and has particular resistant capability such that it does not get damaged by fuel contact. Said reflector guard is fitted with the tail lamp assembly such that it is guarding rear side of the tail lamp reflector which is in neighbourhood of the fuel tank. Said guard can be fitted with the tail lamp in a sandwich mounting type design between wire clamp and reflector. Further, this also can be snap fitted along the back surface of the reflector. This back guard has provision for clean wire routing and sophisticated aesthetic.

No. of Pages: 15 No. of Claims: 6

(21) Application No.2220/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :24/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention: DRIVE DEVICE FOR VEHICLE

(51) International classification	:B60L11/16,B60L7/12	(71)Name of Applicant:
(31) Priority Document No	:2011209292	1)HONDA MOTOR CO. LTD.
(32) Priority Date	:26/09/2011	Address of Applicant :1 1 Minami Aoyama 2 chome Minato
(33) Name of priority country	:Japan	ku Tokyo 1078556 Japan
(86) International Application No	:PCT/JP2012/073660	(72)Name of Inventor:
Filing Date	:14/09/2012	1)HORI Takeshi
(87) International Publication No	:WO 2013/047243	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A drive device (1) for a vehicle is provided with a first motor generator (M/G1) which is mechanically connected to one of the front set of wheels (Wf) and the rear set of wheels (Wr) of the vehicle a second motor generator (M/G2) which is electrically connected to the first motor generator (M/G1) and a flywheel (FW) which is mechanically connected to the second motor generator (M/G2) and which stores kinetic energy. The second motor generator (M/G2) is mechanically connected to the other of the front set of wheels (Wf) and the rear set of wheels (Wr) of the vehicle.

No. of Pages: 112 No. of Claims: 38

(22) Date of filing of Application :06/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : A METHOD FOR IDENTIFYING AND REPLACING THE BBMD FAILURE IN THE BACNET IP NETWORK

(51) International classification	:G06F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)SCHNEIDER ELECTRIC INDUSTRIES SAS
(32) Priority Date	:NA	Address of Applicant :35, RUE JOSEPH MONIER, F-92500
(33) Name of priority country	:NA	RUEIL MALMAISON France
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VAIBHAV PATIL
(87) International Publication No	: NA	2)DEVESH KUMAR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method for identifying and replacing a BBMD failure in a BacNet IP Network is provided. The BacNet IP Network includes one or more subnets and one or more BIP devices in each subnet. The method includes (i) sending, from a BacNet manager, a request to read a Broadcast Distribution Table (BDT) to a BBMD in each of the one or more subnets, (ii) receiving an acknowledgement from the BBMD in each subnet, (iii) identifying an error message in the acknowledgement received from at least one the BBMD of the one or more subnets, (iv) selecting the at least one BBMD capable device in the subnet associated to the error message identified, (v) modifying he BDT by replacing an IP address of the BBMD capable device, and (vi) transferring a modified BDT to the BBMD capable device and the BBMD in the one or more subnets.

No. of Pages: 28 No. of Claims: 4

(22) Date of filing of Application :24/03/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: FLEXIBLE MULTI PANEL STERILIZATION ASSEMBLY WITH SIDE TABS

(51) International classification	:A61L2/26,A61B19/02	(71)Name of Applicant:
(31) Priority Document No	:61/541655	1)KIMBERLY CLARK WORLDWIDE INC.
(32) Priority Date	:30/09/2011	Address of Applicant :Neenah Wisconsin 54956 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/IB2012/055217	1)GAYNOR Melissa R.
Filing Date	:28/09/2012	2)BRICKER Eric T.
(87) International Publication No	:WO 2013/046187	3)FARMER Jeffrey James
(61) Patent of Addition to Application	:NA	4)PAMPERIN Mark T.
Number	:NA	5)SCHWARZ Corinna
Filing Date	.NA	6)TURNBOW Catherine J.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A multi panel sterilization assembly that includes a barrier panel formed of permeable material having barrier properties side tabs that include grip portions for folding or unfolding the barrier panel; and a fold protection panel. The barrier panel has a first end and a second end opposite the first end a first edge and a third edge each such edge being generally perpendicular to the first end and a midpoint to generally delineate the barrier panel into a content receiving region extending from approximately the first end to the midpoint and a content covering region extending from the midpoint to approximately the second end. The side tabs are located between the first end and the midpoint of the barrier panel and at or near the first edge and the third edge. The fold protection panel is in juxtaposed communication with the barrier panel such that after folding the content covering region and the first and third edges over the content receiving region the fold protection panel covers them.

No. of Pages: 89 No. of Claims: 20

(22) Date of filing of Application :24/03/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: METHOD AND DEVICE FOR PRODUCING INTERTWINING KNOTS

(51) International classification :D02G1/16,D02J1/08 (71)Name of Applicant : (31) Priority Document No 1)OERLIKON TEXTILE GMBH & CO. KG :10 2011 112 017.7 (32) Priority Date :30/08/2011 Address of Applicant :Leverkuser Strasse 65 42897 (33) Name of priority country :Germany Remscheid Germany (86) International Application No :PCT/EP2012/057382 (72)Name of Inventor : Filing Date :23/04/2012 1)STNDL Mathias (87) International Publication No :WO 2013/029810 2)MATTHIES Claus (61) Patent of Addition to Application 3)WESTPHAL Jan :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

## (57) Abstract:

The invention relates to a method and a device for producing intertwining knots in a multifilament thread. Here the thread is guided in a treatment channel in which a nozzle channel opens in order to periodically generate an air flow pulse with an interval time between air pressure pulses which follow one another wherein during a pulse time the air flow pulse is directed transversely onto the thread which is guided in the treatment channel. In order for it to be possible to produce the formation of the intertwining knots with as little energy expenditure of the air pressure pulses as possible according to the invention an auxiliary air flow is generated continuously or discontinuously and is blown into the treatment channel together with the air flow pulse. The device according to the invention produces the intertwining knots by way of a rotating nozzle ring which has in the circumference a circumferential guide groove and at least one nozzle channel which opens radially into the guide groove. The nozzle ring is guided on a stator which has a chamber opening and a pressure chamber. The pressure chamber is connected to a compressed air source via a compressed air connection with the result that if the nozzle ring is rotated the nozzle channel can be connected periodically to the chamber opening of the pressure chamber in order to generate an air flow pulse. A cover is provided in the region of the chamber opening of the stator so as to lie opposite the nozzle ring which cover forms a treatment channel with the nozzle ring. In order to influence the air flow and swirling within the treatment channel at least one auxiliary nozzle channel which opens into the treatment channel and can be connected continuously or periodically to the compressed air source is provided on the nozzle ring and/or the cover.

No. of Pages: 32 No. of Claims: 12

(21) Application No.5511/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :29/11/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: SNAP RING PUSHER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:A47L :NA :NA	(71)Name of Applicant: 1)R. SANJEEV Address of Applicant: PLOT NO. 5, 4TH CROSS STREET,
(33) Name of priority country	:NA	SRINIVASA PERUMAL SANNITHISALAI, NEW
(86) International Application No Filing Date	:NA :NA	PERUNGALATHUR, CHENNAI - 600 063 Tamil Nadu India 2)P.B. ARVIND
(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number Filing Date	:NA :NA	1)R. SANJEEV 2)P.B. ARVIND
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The significance of industrial cycle time is self-evident, a 0.5 second reduction in this cycle may not be much when considering one cycle, taking into the account a full working day such a small reduction may even lead to a substantial increase in the profit of any industry. This invention proposes a tool to reduce such cycle time in the powertrain shop to position the snap ring in its place (Instead of place write where it is positioned like in the powertrain shaft or hub). The tool uses a simple tensile spring and a lever mechanism to push the snap ring into its position in the powertrain. In this tool, the snap ring is placed on the die, which is casted according to the shape of the powertrain shaft and the die is held fixed by bolting it to a frame, which is designed in such a way that it does not hinder the powertrain movement during its cycle through the shop. The tool is compact and hence is portable, tool being integrated with simple mechanism, its cost is very low. Keyword: cycle time, snap ring, powertrain, tensile spring, lever mechanism.

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

(22) Date of filing of Application :09/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A CONTROLLER FOR AN INTEGRATED STARTER GENERATOR

(51) International classification	:F02N	(71)Name of Applicant:
(31) Priority Document No	:NA	1)M/S. TVS MOTOR COMPANY LIMITED
(32) Priority Date	:NA	Address of Applicant :NO. 29, HADDOWS ROAD,
(33) Name of priority country	:NA	CHENNAI - 600 006 Tamil Nadu India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)SALIL JOSHY
(87) International Publication No	: NA	2)SURAJIT DAS
(61) Patent of Addition to Application Number	:NA	3)SAMRAJ JABEZ DHINAGAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention features a three-phase brushless integrated starter-generator machine used for cranking the internal combustion of the engine and functions as a generator after cranking. The controller for the machine includes a three phase inverter circuit, integrated with battery current sensor for protecting the machine from over current. During motoring, the machine is controlled by using sensorless field oriented control (FOC). The invention basically involves the method of estimating the crank angle from the battery current during cranking and the motor phase voltage zero-crossings.

No. of Pages: 26 No. of Claims: 17

(22) Date of filing of Application :09/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: A CONTROLLER FOR AN INTEGRATED STARTER GENERATOR

(51) International classification	:H02P	(71)Name of Applicant:
(31) International classification	6/00	1)M/S TVS MOTOR COMPANY LIMITED
(31) Priority Document No	:NA	Address of Applicant :NO. 29, HADDOWS ROAD,
(32) Priority Date	:NA	CHENNAI - 600 006 Tamil Nadu India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)SALIL JOSHY
Filing Date	:NA	2)SURAJIT DAS
(87) International Publication No	: NA	3)SAMRAJ JABEZ DHINAGAR
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The invention features a three-phase brushless integrated starter-generator controller used for cranking the internal combustion of the engine and functions as a generator after cranking. The machine is equipped with three-hall sensors. The controller includes a three phase inverter circuit, integrated with battery current sensor for better machine control and protects the machine from over current. The invention further involves the method of estimating the crank angle from the battery current during cranking and from the outputs of three hall-effect position sensors.

No. of Pages: 26 No. of Claims: 17

(22) Date of filing of Application :05/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention: HIGH DENSITY DYNAMIC STORAGE SYSTEM WITH LIFT

(51) International classification :B650 (31) Priority Document No :NA (32) Priority Date :NA (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	G (71)Name of Applicant:  1)GODREJ & BOYCE MFG. CO. LTD.  Address of Applicant: NO. 1, SIDCO INDUSTRIALESTATE,  AMBATTUR, CHENNAI - 600 098 Tamil Nadu India  (72)Name of Inventor:  1)RAVISWARAN NATARAJAN  2)UNNIKRISHNAN NATTUVEETTIL NARAYANAN  3)JAYANATHA RAJAN  4)RAJAVELU MANIKKAM  5)SARAVANAN KANNIYAPPAN
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#### (57) Abstract:

The HDDS system with lift with electronic control and monitoring has several storage bays, each of storage/entry side and retrieval/delivery side provided with lift (2) and metal storage racks (1) being provided on both sides of each bay for storing material in loaded SKUs (7) placed on pallets (12) having own wheels on roller-shelf (6). Transporters (4) move the SKUs placed on pallets (14) for storage and retrieval. Intermediate conveyor (3) is provided for delivery. The system is modular and provided with on-line intelligent electronic monitoring so that whole system monitoring can be done remotely through a master controller for synchronous storage/retrieval. The transporters (4) have wheels, are motorized, draw electrical power continuously from power rails (10.1) or can run on batteries. Transporters are programmed to return to home if power fails or battery is discharged. Separate methods for storing and retrieving material using the invented system are also disclosed

No. of Pages: 32 No. of Claims: 18

(22) Date of filing of Application :24/03/2014 (43) Publication Date: 12/06/2015

### (54) Title of the invention: IN SITU METHOD FOR PREPARING HYDROLYZED ACYL HALIDE COMPOUND

(51) International :C07C51/62,C07C201/12,C07C63/307 classification

(31) Priority Document No :61/540551 (32) Priority Date :29/09/2011 (33) Name of priority :U.S.A.

country

(86) International

:PCT/US2012/055264 Application No :14/09/2012

Filing Date

(87) International :WO 2013/048762 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)DOW GLOBAL TECHNOLOGIES LLC

Address of Applicant :2040 Dow Center Midland MI 48674

(72) Name of Inventor: 1)ROY Abhishek

2)JONS Steven D. 3)KOOB Joseph D. 4)PEERY Martin H.

5)QIU XiaoHua Sam 6)ROSENBERG Steven

7)TOMLINSON Ian A.

## (57) Abstract:

An in situ method for preparing a hydrolyzed acyl halide containing compound by combining a hydrocarbon reactant including a plurality of acyl halide functional groups containing hydrocarbon reactant a tri hydrocarbyl phosphate compound and water within a hydrocarbon solvent.

No. of Pages: 10 No. of Claims: 14

(22) Date of filing of Application :28/11/2013 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: MATLAB IMAGES (BRAIN MAPS)

(51) International classification		(71)Name of Applicant:
` '	1/00	1)Dittakavi Sarada
(31) Priority Document No	:NA	Address of Applicant :D/o D.S.Sarma, H.no.10-223/1,
(32) Priority Date	:NA	Vasanthapuri Colony, Malkajgiri, Hyderabad-047, Andhra
(33) Name of priority country	:NA	Pradesh, INDIA.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)D.S.Sarma
(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	
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#### (57) Abstract:

Milk, curd & (honey + lemon juice) are pro biotic balanced whole foods, which yield instant energy by lemon catalysis, followed by a slower digestion process (spread over a span of 8 12 Hrs.), to replenish the depleted energy reserves of the body, with the help of metabolic route maps, released from brain & communicated to the body through nerves, using pulse frequency code. (NaCl or baking soda, NaHCo3 is necessary to conduct these electro chemical messages). The whole process [similar to the biphasic action of (slow: fast) decay components (30:70) of human mixtard] is carried out by mitochondria (power houses) of brain cells, which improve coordination between hypothalamic centers to convert bad bacteria of gastro intestinal tract, to good bacteria. (Heavenly AllahTMs earthly messenger, Mohammed converted kafirs to followers of God. The preachings of Christ & Krishna were also aimed at the same goal, which link mythology i.e. philosophy of brain origin to physiology of real world). A lot of prior brain work is necessary to execute plans (spread over a span of 5 10 years in real world). Following this universal phenomenon, brain plans & body executes the bio process to heal and remove water in a week, from foot swelling caused by ankle sprain. The enclosed sheet (matlab-graph analogy of brain maps) finds an application in sprain-medicine, as detailed in specification. These curves can also be imagined to represent (Chicory: Caffeine = 30:70), SHAKTHI category of COFFEE DAY, as well as (anti biotic + pro biotic = 30 + 70) nutritional therapy to control diabetes.

No. of Pages: 10 No. of Claims: 2

(22) Date of filing of Application :29/11/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: METHOD AND SYSTEM FOR SOCIAL COLLABORATIVE CURATION

(51) International classification	:G06F17/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)RAGHAVA KALYANARAMAN
(32) Priority Date	:NA	Address of Applicant :8, RAYMOND STREET,
(33) Name of priority country	:NA	LEXINGTON, MA 02421
(86) International Application No	:NA	2)NETRA SRIKANTH
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)RAGHAVA KALYANARAMAN
(61) Patent of Addition to Application Number	:NA	2)NETRA SRIKANTH
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention illustrates a social learning and exploration platform to learn about both specific and everyday concepts by exploring an organized collection of multiple flips or media, called flips. Users of the system have the ability to explore a number of categories of content, create and s to assimilate curated content across those categories, define sets of questions and explore concepts with flips. The system invites crowdsourced perspectives on any concept and expands anyones search query through invited or crowd sourced collaboration (gain exposure to new facets of a concept through collaborative set creation).

No. of Pages: 34 No. of Claims: 17

(22) Date of filing of Application :29/11/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: A COOKING HOB AND AN ELECTRONIC CONTROL UNIT THEREOF

(51) International classification	:A61N	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Robert Bosch Engineering and Business Solutions Limited
(32) Priority Date	:NA	Address of Applicant :123, Industrial Layout, Hosur Road,
(33) Name of priority country	:NA	Koramangala, Bangalore 560095, Karnataka, INDIA
(86) International Application No	:NA	2)Robert Bosch GmbH
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MODI Ashish
(61) Patent of Addition to Application Number	:NA	2)PAWAR Suneel
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A cooking hob and an electronic control unit thereof is disclosed. The cooking hob (10) comprises a housing (12). The housing (12) comprises an operative top surface (14) having at least one hole (16) adapted to interchangeably accommodate an induction plate (18) in the at least one hole (16) and a gas burner (20) in proximity of the at least one hole (16) in which said induction plate (18) is accommodated. The cooking hob 10 also comprises an electronic control unit 28 for operating the cooking hob 10.

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

(22) Date of filing of Application :29/11/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: A FUEL SUPPLY DEVICE FOR AN INTERNAL COMBUSTION ENGINE

(51) International classification	:A47L	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Bosch Limited
(32) Priority Date	:NA	Address of Applicant :Post Box No 3000, Hosur Road,
(33) Name of priority country	:NA	Adugodi, Bangalore 560030, Karnataka, INDIA
(86) International Application No	:NA	2)Robert Bosch GmbH
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)CHINTALAPATI Vamsi
(61) Patent of Addition to Application Number	:NA	2)RANGEGOWDA Santhosh Kumara Geakaravally
Filing Date	:NA	3)MURALEEDHARAKURUP Girish
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A fuel supply device 10 for an internal combustion engine is disclosed. The fuel supply device 10 for an internal combustion engine comprises a fuel distributor block 12 and a mounting block 14. The fuel distributor block 12 comprises a fuel receiving end 16 adapted to receive fuel from a fuel pump. The fuel receiving end 16 of the fuel distributor block 12 fitted to the mounting block 14 and the mounting block 14 adapted to be fitted to the fuel pump.

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

(22) Date of filing of Application :29/11/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: A METHOD FOR COMPUTING A DESTINATION ADDRESS AND A DEVICE THEREOF

(51) International classification :	:G06C	(71)Name of Applicant :
(31) Priority Document No :	NA	1)Robert Bosch Engineering and Business Solutions Limited
(32) Priority Date :	NA	Address of Applicant: 123, Industrial Layout, Hosur Road,
(33) Name of priority country :	:NA	Koramangala, Bangalore 560095, Karnataka, INDIA
(86) International Application No :	NA	2)Robert Bosch GmbH
Filing Date :	:NA	(72)Name of Inventor:
(87) International Publication No :	NA	1)JAYACHANDAR Balakumar
(61) Patent of Addition to Application Number :	NA	
Filing Date :	:NA	
(62) Divisional to Application Number :	NA	
Filing Date :	NA	

#### (57) Abstract:

An electronic device 100 for computing a list for a destination address is disclosed. The electronic device 100 comprises a geographical area reception means 101 to receive a geographical area on a digital map from a user; a detection means 102 to detect a plurality of co-ordinates of the selected geographical area; a destination address reception means 103 to receive at least a portion of the destination address from the user; an auto-complete list generation means 104 to generate an auto-complete list for the portion of the destination address based on the detected co-ordinates; and a display means 105 to display the auto-complete list.

No. of Pages: 11 No. of Claims: 4

(21) Application No.5552/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :02/12/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: AN APPARATUS FOR MAKING INSTANT ICE CREAM

<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>	39/00 :NA :NA	(71)Name of Applicant:  1)NITESH KUMAR JAIN Address of Applicant: H. NO. 11-4-621/A/9. LUCKY APARTMENT, A.C. GUARD'S ROAD, HYDERABAD - 500
(33) Name of priority country (86) International Application No	:NA	004 Andhra Pradesh India (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:NA : NA :NA	1)NITESH KUMAR JAIN
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention provides an apparatus of making ice cream. The apparatus includes a refrigerating coil, a disc, at least one milk container. The refrigerating coil is disposed in container filled with refrigerating solution therein. Further, the refrigerating coil is a evaporator of an refrigerating system. The disc is suspended on the refrigerating solution and rotated by a motor with a gear therebetween. The milk container is provided for storing milk therein for pumping the milk on the disc for making ice cream. Further, the refrigerating coil cools the refrigerating solution that cools the disc and upon stirring the milk with other ingredient on the disc rotated by the motor ice cream is produced.

No. of Pages: 20 No. of Claims: 9

(21) Application No.2249/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :25/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : SYSTEM AND METHOD FOR MRAM HAVING CONTROLLED AVERAGABLE AND ISOLATABLE VOLTAGE REFERENCE

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date	:G11C5/06,G11C7/08,G11C29/02 :13/278217 :21/10/2011 :U.S.A. :PCT/US2012/061359 :22/10/2012	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121 U.S.A. (72)Name of Inventor:  1)KIM Jung Pill 2)KIM Taehyun
<ul><li>(87) International Publication</li><li>No</li><li>(61) Patent of Addition to</li><li>Application Number</li><li>Filing Date</li></ul>	:WO 2013/059808 :NA :NA	
Filing Date (62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A memory has a plurality of non volatile resistive (NVR) memory arrays each with an associated reference voltage generating circuit coupled by a reference circuit coupling link to a reference line the reference coupled to a sense amplifier for that NVR memory array. Reference line coupling links couple the reference lines of different NVR memory arrays. Optionally different ones of the reference coupling links are removed or opened obtaining respective different average and isolated reference voltages on the different reference lines. Optionally different ones of the reference circuit coupling links are removed or opened obtaining respective different averaged voltages on the reference lines and uncoupling and isolating different reference circuits.

No. of Pages: 47 No. of Claims: 41

(21) Application No.5538/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :02/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : METHODS, SYSTEMS AND COMPUTER READBLE MEDIA FOR SECURING A COMMUNICATION TO A SOCIAL MEDIA APPLICATION

(51) International classification	:G06C	(71)Name of Applicant:
(31) Priority Document No	:NA	1)INFOSYS LIMITED
(32) Priority Date	:NA	Address of Applicant :IP CELL, PLOT NO 44,
(33) Name of priority country	:NA	ELECTRONICS CITY, HOSUR ROAD, BANGALORE 560 100
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)PUNEET GUPTA
(61) Patent of Addition to Application Number	:NA	2)AKSHAY DARBARI
Filing Date	:NA	3)HITESH MATHPAL
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention provides a method and system for securing communication of data to a social media application. A set of network routing parameters are configured for the communication. An encrypted response containing a sensitive data is routed from a secure entity to the social media application through a middleware. The encrypted response is intercepted by a decrypting entity based on the configured set of network routing parameters. The encrypted response is decrypted by the decrypting entity and the sensitive data is retrieved. The sensitive data is transmitted by the decrypting entity to the social media application.

No. of Pages: 17 No. of Claims: 16

(21) Application No.5539/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :02/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : METHOD, SYSTEM AND COMPUTER PROGRAM PRODUCT FOR IDENTIFYING SILENT FAILURES IN AN APPLICATION

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:G06F :NA	(71)Name of Applicant: 1)INFOSYS LIMITED
(32) Priority Date	:NA	Address of Applicant :IP CELL, PLOT NO 44,
(33) Name of priority country	:NA	ELECTRONICS CITY, HOSUR ROAD, BANGALORE - 560
(86) International Application No	:NA	100 Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)RAJESHWARI GANESAN
(61) Patent of Addition to Application Number	:NA	2)GEETIKA GOEL
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method system and computer program product are disclosed for identifying silent failures in an application, comprising of generating a finite state machine (FSM) model of the application based on an input data, extracting state specific invariants relevant to the generated FSM, performing a localized invariant violation check at each state of the generated FSM and upon detection of an invariant violation at any state of the FSM, logging the violation as a silent failure.

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

(21) Application No.5680/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :10/12/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: SPRING BASED ELECTRICAL POWER GENERATOR

	11011	
(51) International classification	:H01J	(71)Name of Applicant:
(31) Priority Document No	:NA	1)A. ARUL FRANCIS
(32) Priority Date	:NA	Address of Applicant :S/O. P.O. ANTONY ARMY DRIVER-
(33) Name of priority country	:NA	NEYVELI KONANKUPPAM POST, MANGALAMPETTAI
(86) International Application No	:NA	(VIA), VIRUDHACHALAM TALUK, CUDDALORE DIST
Filing Date	:NA	Tamil Nadu India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)A. ARUL FRANCIS
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention discloses a spring based generator for conversion of the vibrational energy into significantly storable electrical energy. The present inventions generator is portable and does not need any fluid like petrol, diesel, water etc. for its starting or running. The manufacturing and maintenance cost of the generator is highly less due to least complex assembly. The present invention creates minimum noise and provides continuous power generation.

No. of Pages: 34 No. of Claims: 11

(21) Application No.5689/CHE/2013 A

(19) INDIA

(22) Date of filing of Application :10/12/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: NOVEL POLYMORPH OF METOPIMAZINE

<ul> <li>(51) International classification</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 :NA :NA	(71)Name of Applicant:  1)MSN LABORATORIES PRIVATE LIMITED  Address of Applicant: FACTORY: SY.NO.317 & 323,  RUDRARAM (VIL), PATANCHERU (MDL), MEDAK (DIST) - 502 329 Andhra Pradesh India (72)Name of Inventor:  1)SRINIVASAN THIRUMALAI RAJAN
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ě .		` '
(61) Patent of Addition to Application Number	: NA :NA	1)SKINIVASAN THIKUMALAI KAJAN 2)SAJJA ESWARAIAH
Filing Date	:NA	3)MUMMADI VENKATESH
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

⁽⁵⁷⁾ Abstract:

No. of Pages: 22 No. of Claims: 10

The present invention relates to novel polymorph of metopimazine compound of formula-1 and process for its preparation.

(22) Date of filing of Application :18/02/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: SYSTEM FOR SPEECH KEYWORD DETECTION AND ASSOCIATED METHOD

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:201310659840.4	1
(32) Priority Date	:09/12/2013	Address of Applicant :No. 1, Dusing Rd. 1st, Science-Based
(33) Name of priority country	:China	Industrial Park, Hsin-Chu 300, Taiwan,
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Chao-Ling Hsu
(87) International Publication No	: NA	2)Yiou-Wen Cheng
(61) Patent of Addition to Application Number	:NA	3)Liang-Che Sun
Filing Date	:NA	4)Yuanyuan Wang
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention provides a system for speech keyword detection and associated method. The system includes a speech keyword detector, an activity predictor and a decision maker. The activity predictor obtains sensor data provided by a plurality of sensors, and processes the sensor data to provide an activity prediction result indicating a probability for whether a user is about to give voice keyword. The decision maker processes the activity prediction result and a preliminary keyword detection result of the speech keyword detection to provide a keyword detection result.

No. of Pages: 58 No. of Claims: 24

(22) Date of filing of Application :25/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : PROVIDING DYNAMIC RELIABILITY AND SECURITY IN COMMUNICATIONS 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> </ul>	:13/273415 :14/10/2011 :U.S.A.	(71)Name of Applicant: 1)ALCATEL LUCENT Address of Applicant: 3 avenue Octave Grard F 75007 Paris France (72)Name of Inventor: 1)ASTHANA Abhaya 2)BENOWITZ Marc S.
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	3)CHANDRASHEKHAR Uma

#### (57) Abstract:

A dynamic reliability and security capability is provided. The dynamic reliability and security capability may be configured to support use of a dynamic reliability profile (DRP) that specifies the reliability parameters of a customer both as function of time and as a function of the requirements of the application or service of the customer. The reliability parameters may specify reliability requirements and/or goals of the customer thereby providing a time varying requirements/goals profile. The dynamic reliability and security capability may be configured to dynamically configure the cloud resources to provide the required reliability as specified by the DRP. The RSG capability may be configured to subsequently monitor and meter the behavior to assure that the specified reliability is in fact being delivered which may include use of self healing capabilities to provide service assurance.

No. of Pages: 61 No. of Claims: 10

(21) Application No.2252/CHENP/2014 A

(19) INDIA

(22) Date of filing of Application :25/03/2014 (43) Publication Date: 12/06/2015

## (54) Title of the invention: MULTI ANTENNA WIRELESS DEVICE WITH POWER AMPLIFIERS HAVING DIFFERENT CHARACTERISTICS

(51) International classification :H04B1/04,H04B1/40,H04B1/00 (71) Name of Applicant:

(31) Priority Document No :13/253003

(32) Priority Date :04/10/2011 (33) Name of priority country :U.S.A.

(86) International Application No:PCT/US2012/058814

Filing Date :04/10/2012

(87) International Publication No: WO 2013/052709

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)OUALCOMM INCORPORATED

Address of Applicant : Attn: International Ip Administration 5775 Morehouse Drive San Diego California 92121 U.S.A.

(72) Name of Inventor:

1) ASURI Bhushan Shanti

2)ZHAO Yu

## (57) Abstract:

A wireless device with power amplifiers having different characteristics to support transmission on multiple antennas is disclosed. These power amplifiers may have different gain different maximum output power levels etc. in order to meet requirements of different wireless systems. In an exemplary design an apparatus includes first and second power amplifiers having different characteristics. The first power amplifier amplifies a first input signal and provides a first output signal for a first antenna. The second power amplifier amplifies the first input signal or a second input signal and provides a second output signal for a second antenna e.g. in a MIMO mode or a transmit diversity mode. Only the first or second power amplifier amplifies another input signal and provides another output signal to the first antenna e.g. in a CDMA mode or a GSM mode.

No. of Pages: 38 No. of Claims: 22

(22) Date of filing of Application :25/03/2014 (43) Publication Date: 12/06/2015

### (54) Title of the invention: MULTI ANTENNA WIRELESS DEVICE WITH POWER COMBINING POWER AMPLIFIERS

:H04B1/04,H04B1/40,H04B1/00 (71)Name of Applicant : (51) International classification

(31) Priority Document No :13/274256 (32) Priority Date :14/10/2011

(33) Name of priority country :U.S.A.

(86) International Application No:PCT/US2012/060311

Filing Date :15/10/2012

(87) International Publication No: WO 2013/056261

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)QUALCOMM INCORPORATED

Address of Applicant : Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121 U.S.A.

(72) Name of Inventor:

1)ASURI Bhushan Shanti

2)NEJATI Babak

#### (57) Abstract:

A wireless device with power combining power amplifiers to support transmission on multiple antennas is disclosed. The power amplifiers may be operated together to obtain higher output power or separately to support transmission on multiple antennas. In an exemplary design an apparatus includes first and second power amplifiers. The first power amplifier amplifies a first input signal and provides a first output signal for a first antenna in a first operating mode (e.g. a MIMO mode or a transmit diversity mode). The second power amplifier amplifies the first input signal or a second input signal and provides a second output signal for a second antenna in the first operating mode. The first and second power amplifiers are power combined in a second operating mode to provide a third output signal which has a higher maximum output power than the first or second output signal.

No. of Pages: 37 No. of Claims: 20

(22) Date of filing of Application :25/03/2014 (43) Publication Date : 12/06/2015

# (54) Title of the invention : BASE STATIONS AND METHODS FOR FACILITATING DYNAMIC SIMULCASTING AND DE SIMULCASTING IN A DISTRIBUTED ANTENNA SYSTEM

:H04B7/06,H04W88/08 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/547639 1)OUALCOMM INCORPORATED (32) Priority Date :14/10/2011 Address of Applicant :Attn: International IP Administration (33) Name of priority country 5775 Morehouse Drive San Diego California 92121 1714 U.S.A. :U.S.A. (86) International Application No :PCT/US2012/060048 (72) Name of Inventor: Filing Date :12/10/2012 1)SORIAGA Joseph B. (87) International Publication No :WO 2013/056111 2)LOTT Christopher Gerard 3)SUN Jing

(61) Patent of Addition to Application
Number :NA

Filing Date

(62) Divisional to Application Number :NA
Filing Date :NA

4)ATTAR Rashid Ahmed Akbar

#### (57) Abstract:

Base stations may include a plurality of antenna ports adapted to communicatively couple to respective remote antenna units. A base station simulcast controller module may be coupled with each antenna port and may be adapted to transmit downlink transmissions over a plurality of remote antenna units with two or more of the remote antenna units simulcasting downlink transmissions as a simulcasting group. In response to one or more obtained network traffic parameters the base station simulcast controller module may modify the simulcasting group to include at least one different remote antenna unit. Methods operational on base station may include transmitting downlink transmissions over a plurality of remote antenna units where two or more of the remote antenna units form a simulcasting group. The simulcasting group can be modified to include at least one different remote antenna unit in response to one or more obtained network traffic parameters.

No. of Pages: 63 No. of Claims: 27

(22) Date of filing of Application :05/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : AUTOMATED TICKETING MACHINE FOR BUSSES AND OTHER PUBLIC TRANSPORT VEHICLES.

	·G07B11/00	(71)Name of Applicant:
(51) International classification	G07B11/00,	1)LIPIKA DAS SINHA
(31) Priority Document No	:NA	Address of Applicant :GROUND FLOOR, 122,
(32) Priority Date	:NA	BIDHANPALLY, NEAR GARIA, RATHTALA KALI
(33) Name of priority country	:NA	MANDIR, P.O-GARIA, KOL-700084
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)LIPIKA DAS SINHA
(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 ticket issuing machine system including a keyboard 6 to enter into the machine details of a ticket to be issued a printer 1 to print out ticket information on the ticket depending upon the data entered into the keyboard and means for storing information about the tickets issued by the machine characterized by the provision of a store circuit board module 12 capable of storing data about the tickets issued and which is readily capable of being inserted into and removed from the ticket issuing machine to have the details of the tickets issued transferred to an exterior store.

No. of Pages: 20 No. of Claims: 6

(22) Date of filing of Application :09/12/2013 (43) Publication Date : 12/06/2015

## (54) Title of the invention: WONDER TARANA NATIONAL GENERETOR-40A-18V.C WITHOUT FUEL.

110111	(71)Nama af Amil'anni
	(71)Name of Applicant : 1)MD.NAUSHAD ALAM
:NA	Address of Applicant:VILL +P.O-SHAKARPURA, P.S-
:NA	BAKHRI, DIST-BEGUSARAI, STATE-BIHAR,PIN-
:NA	848203,INDIA
:NA	(72)Name of Inventor:
:NA	1)MD.NAUSHAD ALAM
: NA	
:NA	
:NA	
:NA	
:NA	
	6/00 :NA :NA :NA :NA :NA :NA :NA

## (57) Abstract:

The weight of Fly Wheel is 216 (two hundred sixteen) kg. The wheel is moved by battery and shelf at the power of 1080 (one thousand eighty) rpm and the same is maintained by second motor from taking back-up from rpm battery. RPM becomes 60 (sixty) on the Pinion. Now the weight of fly wheel changes from 216 kg to 3888 (three thousand eight hundred eighty eight kg). Half of this weight 1944 (one thousand nine hundred forty four kg) is utilized by one kv generator. In this power is derived from the weight which is the wave of the wheel. Generator is increased from 60 RPM to 1800 RPM. Wheel keeps on moving by the back-up of the battery. Due to wave coming out from the wheel generator keeps on working without fuel.

No. of Pages: 10 No. of Claims: 1

6)BELLANGER, Julien

(19) INDIA

(22) Date of filing of Application :27/01/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: INFORMATION TARGETING SYSTEMS AND METHODS

:NA

:NA

:G06F21/00,G06F17/00 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)INTERTRUST TECHNOLOGIES CORPORATION :61/674,249 (32) Priority Date :20/07/2012 Address of Applicant :920 Stewart Drive, Sunnyvale, (33) Name of priority country California 94085-3913 UNITED STATES OF AMERICA :U.S.A. :PCT/US2013/051377 (86) International Application No (72) Name of Inventor: Filing Date :19/07/2013 1)MOHAMMED, Irfan (87) International Publication No :WO 2014/015305 2)SU, Dennis (61) Patent of Addition to Application 3)MAHER, David :NA Number 4)MA, Yiming :NA Filing Date 5)CILIBRASI, Rudi

#### (57) Abstract:

Filing Date

The present disclosure relates generally to systems and methods for the secure management of electronic information relating to a user. In certain embodiments, systems and methods disclosed herein may allow for personal information related to a user to be used in connection with information targeting systems and methods configured to match and/or target information for delivery to a user based on the users interests. In some embodiments, personal information relating to a user may be stored and/or managed in a personal ontology graph or other data structure including, among other things, various inferred interests of the user derived from available personal information.

No. of Pages: 66 No. of Claims: 10

(62) Divisional to Application Number

(22) Date of filing of Application :25/11/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: LABELING VISITED LOCATIONS BASED ON CONTACT 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 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>	:H04W4/02 :61/662,969 :22/06/2012 :U.S.A. :PCT/US2013/047184 :21/06/2013 :WO 2013/192590 :NA :NA :NA	(71)Name of Applicant: 1)GOOGLE INC. Address of Applicant:1600 Amphitheatre Parkway, Mountain View, California 94043 UNITED STATES OF AMERICA (72)Name of Inventor: 1)HAWKINS, Dale 2)STAMM, Tom Carl 3)KIRMSE, Andrew 4)UDESHI, Tushar
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#### (57) Abstract:

The systems and techniques disclosed herein provide the ability to determine locations visited by a user and associate relevant location labels with the locations visited based on contact information. In some examples, a location label can be applied based on a match between a location visited and information stored in a users contact list. In other examples, a user can efficiently designate a contact and location label to be associated with a location visited. In still other examples, if a location visited by a user is not listed in the users contact list, but is otherwise known to the system, the location visited can be appropriately labeled and the corresponding contact in the users contact list can be updated to include the location visited.

No. of Pages: 34 No. of Claims: 20

(21) Application No.298/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/02/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: RAPID STARTUP HEAT RECOVERY 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> <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>	:F02C1/06,B21D53/02 :61/682,470 :13/08/2012 :U.S.A. :PCT/US2013/045533 :13/06/2013 :WO 2014/028107 :NA :NA :NA	(71)Name of Applicant:  1)BABCOCK & WILCOX POWER GENERATION GROUP, INC.  Address of Applicant: 20 S. Van Buren Avenue, Barberton, OH 44203 UNITED STATES OF AMERICA. (72)Name of Inventor:  1)ALBRECHT, Melvin, J.
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#### (57) Abstract:

A rapid startup heat recovery steam generator (HRSG) comprises a gas inlet, a high pressure section, an optional intermediate pressure section, an optional low pressure section, and a gas outlet. At least one of the pressure sections includes a vertical steam separator.

No. of Pages: 35 No. of Claims: 28

(21) Application No.203/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/01/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: AUXILIARY CONDUIT 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 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>	:F28D7/10 :61/678,138 :01/08/2012 :U.S.A. :PCT/IL2013/000062 :01/08/2013 :WO 2014/020586 :NA :NA :NA	(71)Name of Applicant:  1)HELIOFOCUS LTD.  Address of Applicant: 7 Golda Meir St., Ness Ziona 74036 ISRAEL (72)Name of Inventor:  1)DAVIDOVITS, Natanel
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#### (57) Abstract:

A heat transfer system, comprising a primary heat transfer assembly for transferring heat therethrough to a thermal energy consumption system, thermal insulation for minimizing escape of heat from the primary heat transfer assembly, and an auxiliary conduit assembly formed with an auxiliary conduit channel for flow of an auxiliary heat transfer fluid therethrough, the auxiliary heat transfer fluid may be heated by heat escaping from the primary heat transfer assembly.

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

(21) Application No.255/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/01/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: USER TERMINAL CONTROL 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> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G07F19/00 :1213072.0 :23/07/2012 :U.K. :PCT/GB2013/051962 :23/07/2013 :WO 2014/016582 :NA :NA	(71)Name of Applicant:  1)I-DESIGN MULTI MEDIA LIMITED  Address of Applicant: 30 City Quay, Camperdown Street, Dundee DD1 3JA UNITED KINGDOM (72)Name of Inventor:  1)SWINFEN, Richard
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method of controlling operation of a user terminal wherein the user terminal comprises a controller for controlling operation of the user terminal and the user terminal further comprises a plurality of devices wherein in normal operation the controller is responsive to data received from at least one of the devices and the method comprises providing from a source other than said at least one of the devices control data to the controller the control data comprising data that the controller interprets as being received from said at least one the devices.

No. of Pages: 58 No. of Claims: 55

(22) Date of filing of Application :29/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : CLOTHING ARTICLE USING COMPOSITE CONTRACTING MEMBER AND MANUFACTURING METHOD FOR SAID CLOTHING ARTICLE

(51) International classification :A61F13/15,A61F13/49,A61F13/496

(31) Priority Document No :2012-201459

(32) Priority Date :13/09/2012 (33) Name of priority

country :Japan

country (86) International

Application No :PCT/JP2013/005244

Filing Date :04/09/2013

(87) International Publication No :WO 2014/041765

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to
Application Number
Filing Date
:NA
:NA

(71)Name of Applicant:
1)ZUIKO CORPORATION

Address of Applicant:15-21, Minamibefu-cho, Settsu-shi,

Osaka 5660045 JAPAN (72)Name of Inventor:
1)UMEBAYASHI, Toyoshi

## (57) Abstract:

The method for manufacturing clothing articles provided with a waist gather section (10) and fitting gather sections (11) comprises: a process (A) for arranging two long composite contracting members (2) for forming the waist gather section (10) parallel to each other; a process (B) for arranging panel materials (3) for forming the fitting gather sections (11) on the inside edge of each composite contracting member (2) along the longitudinal direction of the composite contracting members (2) and bonding same to the inside edge of the composite contracting member (2); a process (C) for placing absorbents (6) between panel materials (3) that are adjacent to each other between the two composite contracting members (2) and bonding the portions where the panel materials (3) and the absorbents (6) overlap; and a process (D) for folding the absorbents (6) in half to stack the two composite contracting members (2) on each other and cutting the two composite contracting members (2) between adjacent absorbents (6) in the direction orthogonal to the longitudinal direction of the composite contracting members (2).

No. of Pages: 20 No. of Claims: 5

(21) Application No.3119/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :31/12/2014 (43) Publication Date : 12/06/2015

## (54) Title of the invention: TILTABLE FLOOR-PROFILE ARRANGEMENT

<ul> <li>(51) International classification</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>	:07/06/2013 :WO 2014/019749 :NA :NA	(71)Name of Applicant:  1)KÜBERIT PROFILE SYSTEMS GMBH & CO. KG Address of Applicant: RÖ–MERWEG 9, 58513  LÜDENSCHEID GERMANY (72)Name of Inventor:  1)SONDERMANN, FRANK
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The arrangements relates to a floor-profile arrangement for bridging a gap between adjacent floor coverings, having a base profile and a covering profile, and having an intermediate profile, which can be tilted in relation to the base profile and has a first fastening portion, for fastening on the covering profile, and a second fastening portion, for fastening on the base profile, wherein at least one transversally extending wing is formed on the intermediate profile, between the first fastening portion and the second fastening portion.

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

(22) Date of filing of Application :29/01/2015 (43) Publication Date : 12/06/2015

### (54) Title of the invention: TUNABLE INTER-ANTENNA ISOLATION

(51) International classification	:H04B1/52,H04B1/18	(71)Name of Applicant:
(31) Priority Document No	:13/568,158	1)GOOGLE TECHNOLOGY HOLDINGS LLC
(32) Priority Date	:07/08/2012	Address of Applicant :1600 Amphitheatre Parkway, Mountain
(33) Name of priority country	:U.S.A.	View, CA 94043 UNITED STATES OF AMERICA.
(86) International Application No	:PCT/US2013/053706	(72)Name of Inventor:
Filing Date	:06/08/2013	1)ALBERTH, William P., Jr.
(87) International Publication No	:WO 2014/025725	2)BLACK, Gregory R.
(61) Patent of Addition to Application	:NA	3)KLOMSDORF, Armin W.
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method and system performs antenna tuning to minimize interference affecting signal reception within a wireless communication device. An antenna tuner controller determines whether the wireless communication device concurrently provides (a) simultaneous signal transmission and reception and (b) dual signal propagation. In response to determining that the wireless communication device concurrently provides the simultaneous signal transmission and reception and the dual signal propagation, the antenna tuner controller determines a current mode of operation corresponding to simultaneous signal transmission and reception and the dual signal propagation. Based on the mode of operation determined, the antenna tuner controller identifies a priority for performing antenna isolation to minimize interference affecting signal reception when the wireless communication device actively communicates within the specific mode of operation. In response to the identifying the priority for performing antenna isolation, the antenna tuner controller performs antenna impedance tuning that provides antenna isolation corresponding to the priority.

No. of Pages: 35 No. of Claims: 20

(21) Application No.279/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/01/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: FILTER ELEMENT STRUCTURE AND REVERSE-WASHING-TYPE FILTRATION DEVICE PROVIDED WITH FILTER ELEMENT STRUCTURE

(51) International :B01D29/50,B01D29/11,B01D29/66

classification

(31) Priority Document No :2012-187493 (32) Priority Date :28/08/2012

(33) Name of priority country: Japan

(86) International :PCT/JP2013/064726

Application No :28/05/2013 Filing Date

(87) International Publication :WO 2014/034204

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant:

1)KANAGAWA KIKI KOGYO CO., LTD

Address of Applicant: 19-1, Okamura 8-chome, Isogo-ku,

Yokohama-shi, Kanagawa 2350021 JAPAN

(72) Name of Inventor: 1)YAMADA Norio 2)KOI Kenichi

3)MATSUO Takashi 4)NONAKA Kazutaka

### (57) Abstract:

A filter element structure (100) mounted on a reverse washing type filtration device (W) and used for filtering a fluid flowing through the device, the filter element structure (100) being provided with a pair of filter elements (10) and a connecting tube (13) for connecting one of the filter elements (10) to the other of the filter elements (10). Each of the filter elements (10) has a filter (11) formed as a hollow cylinder having both ends penetrated, an upper lid part (12) for covering the upper end part of the filter (11), and an upper hole (12a) penetrating the upper lid part (12). One end of the connecting tube (13) is connected to the upper hole (12a) of one of the filter elements (10) and the other end of the connecting tube (13) is connected to the upper hole (12a) of the other of the filter elements (10).

No. of Pages: 49 No. of Claims: 3

(22) Date of filing of Application :09/12/2013 (43) Publication Date : 12/06/2015

# (54) Title of the invention : A RIGID AND RELIABLE SUPPORT DEVICE FOR HEAT TRANSFER SURFACES IN A FLUIDIZED BED COMBUSTION BOILER.

		(71)Name of Applicant:
(51) Intermetional elegation	:F22B	1)BHARAT HEAVY ELECTRICALS LIMITED
(51) International classification	37/00	Address of Applicant :REGIONAL OPERATIONS
(31) Priority Document No	:NA	DIVISION(ROD), PLOT NO:9/1, DJBLOCK 3RD FLOOR,
(32) Priority Date	:NA	KARUNAMOYEE,SALTLAKE CITY, KOLKATA-700091,
(33) Name of priority country	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI
(86) International Application No	:NA	FORT,NEW DELHI - 110049, INDIA.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)IRUDAYADASAN ALBERT WILLIAM
(61) Patent of Addition to Application Number	:NA	2)THIAGARAJA IYER RADHAKRISHNAN
Filing Date	:NA	3)VIJAY KUMAR VERMA
(62) Divisional to Application Number	:NA	4)VONTEDDU SUBASH REDDY
Filing Date	:NA	5)KRISHNAN PALANIAPPAN
		6)TARAKESH KANAKALA

### (57) Abstract:

The invention relates to a rigid and reliable support device for heat transfer surfaces in a fluidized bed combustion boiler, comprising at least one vertical steam cooled hanger tube (1) placed in between a pair of horizontal coil assemblies (2); and a solid forged strap (3) connecting the horizontal coils (2) to the vertical tube (1), the vertical tube (1) having a central hole configured with close tolerances to allow insertion of the forged strap (3) into the vertical tube (1) by shrink fit and welded.

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

(22) Date of filing of Application :21/01/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: INTERMEDIATE FILM FOR LAMINATED GLASS AND LAMINATED GLASS

:C03C27/12,C08L29/14 (71)Name of Applicant : (51) International classification (31) Priority Document No 1)SEKISUI CHEMICAL CO., LTD. :2012-172165 (32) Priority Date Address of Applicant: 4-4, Nishitemma 2-chome, Kita-ku, :02/08/2012 (33) Name of priority country Osaka-shi, Osaka 5300047 JAPAN :Japan (86) International Application No (72) Name of Inventor: :PCT/JP2013/071046 1)KITANO, Hirofumi Filing Date :02/08/2013 (87) International Publication No :WO 2014/021459 2)KATAYAMA, Taiki (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The purpose of the present invention is to provide: an intermediate film for laminated glass that comprises two or more stacked resin layers, that exhibits excellent degassing properties during a manufacturing process for laminated glass, and that is capable of preventing the occurrence of ghost images; and a laminated glass that includes the intermediate film for laminated glass. The present invention is an intermediate film for laminated glass that comprises two or more stacked resin layers and that has a plurality of fine convex sections and a plurality of fine concave sections formed on at least one surface thereof. The concave sections have a groove shape and the bottom sections thereof are continuous, adjacent concave sections are parallel and formed in a regular manner, and the interval between adjacent concave sections is less than 750  $\mu$ m.

No. of Pages: 37 No. of Claims: 9

(22) Date of filing of Application :27/01/2015 (43) Publication Date : 12/06/2015

## (54) Title of the invention: MULTI-POSITION INPUT CORD ASSEMBLY FOR A POWER DISTRIBUTION UNIT

<ul> <li>(51) International classification</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>	:H01R 13/66 :61/675,921 :26/07/2012 :U.S.A. :PCT/US2013/052345 :26/07/2013 :WO 2014/018901 :NA :NA :NA	(71)Name of Applicant:  1)SERVER TECHNOLOGY, INC.  Address of Applicant: 1040 SANDHILL DRIVE, RENO, NEVADA 89521 UNITED STATES OF AMERICA  2)CONNOLLY, CHRIS (72)Name of Inventor:  1)IRONS,TRAVIS  2)RAMSEY, MARK  3)CONNOLLY, CHRIS
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#### (57) Abstract:

Apparatuses and devices are provided that allow for a power input cord to be placed in two or more different orientations relative to a power distribution unit. A power distribution unit may be provided with one or more input cord assemblies that allow an input cord to be swiveled such that the cord exits an outside plane of the power distribution unit at a different angle. Such an assembly allows a power distribution unit to be placed in an equipment rack and coupled with an input power source in a flexible and convenient manner. Clearances and dimensions of equipment racks may be modified to provide enhanced space usage, efficiency, and/or density in a facility.

No. of Pages: 24 No. of Claims: 17

(21) Application No.276/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :30/01/2015 (43) Publication Date : 12/06/2015

# (54) Title of the invention : OPTICALLY ACTIVE AMMONIUM SALT COMPOUND, PRODUCTION INTERMEDIATE THEREOF AND METHOD FOR PRODUCING SAME

(51) International classification
(31) Priority Document No
(32) Priority Date
(33) Name of priority country
(86) International Application No
Filing Date
(87) International Publication No
(2005-059694
(30/03/2005
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(87) International Publication No(61) Patent of Addition to Application

Number :NA
Filing Date :NA

(62) Divisional to Application Number :3319/KOLNP/2007 Filed on :07/09/2007

(71)Name of Applicant:

1)NIPPON SODA CO., LTD.

Address of Applicant :2-1, OHTEMACHI 2-CHOME,

CHIYODA-KU, TOKYO 1008165 JAPAN

(72)Name of Inventor:

1)MARUOKA KEIJI 2)KUBOTA YASUSHI

#### (57) Abstract:

A racemic bisbenzyl compound represented by formula (2), wherein R1 represents a C1-8 alkyl which is optionally substituted and which is linear, branched, or cyclic, or a C1-8 alkoxy which is optionally substituted and which is linear, branched, or cyclic; R21 represents hydrogen, a C1-8 alkyl which is optionally substituted and which is linear, branched, or cyclic, a C6-14 aryl which is optionally substituted, or a C1-8 alkoxy which is optionally substituted and which is linear, branched, or cyclic; R3 represents a C6-14 aryl which is optionally substituted; and Y2 represents a leaving group.

No. of Pages: 66 No. of Claims: 2

(21) Application No.290/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :02/02/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention : RECOMBINANTLY PREPARED POLYPEPTIDE FROM H. INFLUENZAE AND COMPOSITION THEREOF

(33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filed on File	<ul> <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>	:0410866.8 :14/05/2004 :U.K. :PCT/IB2005/001775 :16/05/2005 : NA :NA :NA :3769/KOLNP/2006	(72)Name of Inventor: 1)MASIGNANI, VEGA
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### (57) Abstract:

There is disclosed polypeptides comprising non-typeable Haemophilus influenzae (NTHi) amino acid sequences. The invention also provides related nucleic acid, antibody and methods. These can be used in medicine for treating or preventing disease and/or infection caused by H.influenzae.

No. of Pages: 100 No. of Claims: 17

(22) Date of filing of Application :27/01/2010 (43) Publication Date : 12/06/2015

(54) Title of the invention : PLANTS HAVING ENHANCED YIELD-RELATED TRAITS AND A METHOD FOR MAKING THE SAME  $\bullet$ 

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (36) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (62) Divisional to Application Number Filing Date (51) International Classification (51) International Application No (52) PCT/EP2008/06006 (53) PCT/EP2008/06006 (53) PCT/EP2008/06006 (53) POT	(71)Name of Applicant:  1)BASF PLANT SCIENCE GMBH Address of Applicant:67056 Ludwigshafen Germany.  2)CROP FUNCTIONAL GENOMICS CENTER (72)Name of Inventor:  1)KIM Woo Taek 2)CHOI Seok Keun 3)HWANG In Gyu 4)MOON Jae Sun 5)JWA Nam-Soo 6)CHOI Okhee 7)CHOI Yang Do 8)PARK Youn-II 9)CHUNG Suck Won
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### (57) Abstract:

The present invention relates generally to the field of molecular biology and concerns a method for enhancing yield-related traits in plants by modulating expression in a plant of a nucleic acid encoding a yield increasing polypeptide selected from the group consisting of: phosphoenolpyruvate carboxylase (PEPC), Class III U-Box protein and PQQC protein. The present invention also concerns plants having modulated expression of a nucleic acid encoding yield increasing polypeptide selected from the group consisting of: phosphoenolpyruvate carboxylase (PEPC), Class III U-Box protein and PQQC protein, which plants have enhanced yield-related traits relative to corresponding wild type plants or other control plants. The invention also provides constructs useful in the methods of the invention.

No. of Pages: 486 No. of Claims: 17

(22) Date of filing of Application :03/02/2015 (43) Publication Date : 12/06/2015

### (54) Title of the invention: VERTICAL AND HORIZONTAL BEAM HYBRID PIPETTE CALIBRATION SYSTEM

(51) International (71)Name of Applicant: :G01N21/00,G01N21/01,G01N21/03 classification 1)ARTEL, INC. (31) Priority Document No :61/671,447 Address of Applicant :25 Bradley Drive, Westbrook, ME (32) Priority Date :13/07/2012 04092 UNITED STATES OF AMERICA (33) Name of priority (72)Name of Inventor: :U.S.A. country 1) CURTIS, Richard, H. (86) International :PCT/US2013/050332 Application No :12/07/2013 Filing Date (87) International :WO 2014/012029 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

#### (57) Abstract:

A system and related method for determining the volume of a sample solution delivered by a liquid delivery device. The system includes devices for adding and removing diluent, the sample solution under analysis and a mixture of the two in a cell having a substantially constant cross sectional area and a known horizontal optical path length. The system includes one or more spectrophotometers to measure horizontally and vertically absorbance associated with two distinct chromophores. A first chromophore of unknown concentration is in the diluent and a second chromophore of known concentration is in the sample solution. The method determines absorbance horizontally and vertically of the first chromophore prior to adding the sample solution and then determining absorbance of the first chromophore horizontally and vertically and the second chromophore horizontally after mixing the diluent and sample solution together.

No. of Pages: 23 No. of Claims: 16

(21) Application No.222/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :23/01/2015 (43) Publication Date: 12/06/2015

## (54) Title of the invention: COMPOSITIONS FOR TREATMENT OF CANCER-RELATED FATIGUE

(51) International :A61K36/28,A61K36/258,A61K36/9068 classification

:MI2012A001317

(31) Priority Document

:27/07/2012 (32) Priority Date

(33) Name of priority

:Italy country (86) International

:PCT/EP2013/064711 Application No :11/07/2013

Filing Date

(87) International :WO 2014/016137 Publication No

(61) Patent of Addition :NA to Application Number

:NA Filing Date (62) Divisional to :NA **Application Number** :NA Filing Date

(71)Name of Applicant: 1)INDENA S.P.A.

Address of Applicant: Viale Ortles, 12, I-20139 Milano

**ITALY** 

(72) Name of Inventor: 1)BOMBARDELLI, Ezio 2) CORTI, Fabrizio

### (57) Abstract:

Disclosed are compositions containing extracts of (a) panax ginseng C.A. Mayer, (b) Zingiber officinale, (c) Echinacea angustifolia and (d) Silybum marianum or the phospholipid complex of silybin with phospholipids as active ingredients, mixed with suitable excipients.

No. of Pages: 11 No. of Claims: 5

(21) Application No.236/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/01/2015 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: WIRE FOR PISTON RINGS

<ul> <li>(51) International classification</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>	:C22C 38/00 :NA :NA :NA :PCT/JP2012/075643 :03/10/2012 :WO 2014/054130 :NA	(71)Name of Applicant: 1)TOKUSEN KOGYO CO., LTD. Address of Applicant:1081, MINAMIYAMA SUMIYOSHI- CHO, ONO-CITY, HYOGO 6751361 JAPAN 2)NIPPON KOSHUHA STEEL CO., LTD. (72)Name of Inventor: 1)KAMON RYOUICHI 2)MIZUNO YUKITAKA
(61) Patent of Addition to Application		
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

[Object] To provide a wire 1 for piston rings which is less likely to cause a width of an end gap 4 of a piston ring to be varied, is excellent in processability during coiling, and is obtained at low cost. [Solution] The wire 1 for piston rings is made of steel which contains 0.50% by weight or greater but 0.80% by weight or less of C, 1.00% by weight or less of Si, 1.00% by weight or less of Mn, 11.0% by weight or greater but 14.0% by weight or less of Cr, 0.20% by weight or greater but 2.0% by weight or less of Mo, and an unavoidable impurity. An area ratio of carbide particles having a circle-equivalent diameter of 0.2  $\mu$ m or greater but 5  $\mu$ m or less in a structure in a transverse section of the wire 1 is equal to or less than 10%. A Vickers hardness of the wire 1 is equal to or greater than 350 but equal to or less than 450. The wire 1 is obtained through quenching and tempering. A temperature of the tempering is equal to or higher than 645°C.

No. of Pages: 28 No. of Claims: 5

(22) Date of filing of Application :23/01/2015 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: NETWORK SERVICE SYSTEM AND METHOD WITH OFF-HEAP CACHING

<ul> <li>(51) International classification</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>	:31/08/2013 :WO 2014/036540 :NA :NA	(71)Name of Applicant:  1)YUME, INC.  Address of Applicant: 1204 Middlefield Road, Redwood City, CA 94063 UNITED STATES OF AMERICA (72)Name of Inventor:  1)SHAVER, Matthew, D. 2)GUPTA, Sachin
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A method for providing data over a network using an application server having off-heap caching includes receiving at an application server coupled to a network a request for requested data, using an key index stored on the application server to locate where the requested data is stored in off heap memory of the application server, retrieving the requested data from the off-heap memory of the application server, and resolving the request.

No. of Pages: 27 No. of Claims: 20

(22) Date of filing of Application :29/01/2015

(43) Publication Date: 12/06/2015

### (54) Title of the invention : CRYSTALLINE FORMS OF THE PROLYL HYDROXYLASE INHIBITOR [(4-HYDROXY-1-METHYL-7-PHENOXY ISOQUINOLINE-3-CARBONYL)-AMINO]-ACETIC ACID

(51) International classification	:C07D217/26	(71)Name of Applicant:
(31) Priority Document No	:61/672,191	1)FIBROGEN, INC.
(32) Priority Date	:16/07/2012	Address of Applicant :409 Illinois St., San Francisco,
(33) Name of priority country	:U.S.A.	California 94158 UNITED STATES OF AMERICA
(86) International Application No	:PCT/US2013/050539	(72)Name of Inventor:
Filing Date	:15/07/2013	1)WITSCHI, Claudia
(87) International Publication No	:WO 2014/014835	2)PARK, Jung, Min
(61) Patent of Addition to Application	:NA	3)THOMPSON, Michael, D.
Number	:NA :NA	4)MARTINELLI, Michael, John
Filing Date	:NA	5)YEOWELL, David, A.
(62) Divisional to Application Number	:NA	6)AREND, Michael, P.
Filing Date	:NA	
(57) Abstract:		

#### (57) Abstract:

The present disclosure relates to crystalline solid forms of [(4-hydroxy-1-methyl-7-phenoxy- isoquinoline-3-carbonyl)-amino]-acetic acid, the process of preparing the forms, and pharmaceutical compositions and methods of use thereof.

No. of Pages: 90 No. of Claims: 77

(22) Date of filing of Application :30/01/2015 (43) Publication Date : 12/06/2015

### (54) Title of the invention : METHOD FOR AUTOMATIC FREQUENCY CORRECTION IN A MULTI-CARRIER COMMUNICATIONS 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> </ul>	:02/08/2013 :WO 2014/031311 :NA :NA	(71)Name of Applicant:  1)GOOGLE TECHNOLOGY HOLDINGS LLC Address of Applicant: 1600 Amphitheatre Parkway, Mountain View, California 94043 UNITED STATES OF AMERICA (72)Name of Inventor:  1)KLOMSDORF, Armin W. 2)ALBERTH, JR., William P. 3)BLACK, Gregory R.
1 (01110 01	:NA :NA :NA	

#### (57) Abstract:

A method and system provides an automatic frequency correction (AFC) within a wireless communication device. A synchronization controller estimates first and second frequency errors respectively associated with a first received signal corresponding to a first receiver path and a second received signal corresponding to a second receiver path. The synchronization controller determines a value and a type of target clock of a first AFC associated with the first frequency error. If the first AFC is not generated to target a shared clock such as a reference clock, the synchronization controller generates a second AFC to compensate for the second frequency error. However, if it is determined that the first AFC targets a shared clock, the synchronization controller generates the second AFC to compensate for the first AFC and the second frequency error. The synchronization controller synchronously applies the first and second AFCs to the relevant clocks.

No. of Pages: 34 No. of Claims: 20

(22) Date of filing of Application :03/02/2015 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: INERT ELECTRODES WITH LOW VOLTAGE DROP AND METHODS OF MAKING THE SAME

(32) Priority Date       :01/08/2012       A         (33) Name of priority country       :U.S.A.       Street         (86) International Application No       :PCT/US2013/052726       AMI         Filing Date       :30/07/2013       (72)	1)ALCOA INC. Address of Applicant :Alcoa Corporate Center, 201 Isabella street Pittsburgh, PA 15212-5858 UNITED STATES OF
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#### (57) Abstract:

An electrolytic cell anode, including an encasing conductive material configured to encase a dense conductive material and define the electrolytic cell anode, wherein the dense conductive material has an electrical conductivity greater than that of the encasing conductive material.

No. of Pages: 30 No. of Claims: 34

(21) Application No.1987/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :16/09/2014 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: WIRELESS COMMUNICATION SYSTEM AND WIRELESS TERMINAL DEVICE

(51) International classification :H04L1/00 (71)Name of Applicant: (31) Priority Document No 1)FUJITSU LIMITED :00000 (32) Priority Date Address of Applicant: 1-1, KAMIKODANAKA 4-CHOME, : -(33) Name of priority country NAKAHARA-KU, KAWASAKI-SHI, KANAGAWA 211-8588, (86) International Application No :PCT/JP2006/322494 JAPAN (72) Name of Inventor: Filing Date :10/11/2006 (87) International Publication No : NA 1)ODE, TAKAYOSHI (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :1679/KOLNP/2009 Filed on :05/05/2009

#### (57) Abstract:

Terminal capability information relating to the capability of a wireless terminal device in which at.least.one of a first frequency, bandwidth for use in an up link and a second frequency bandwidth for use in a down link is variable is associated with a terminal category in advance. When the terminal capability information is received from the wireless terminal device, the terminal category is designated from the terminal capability information, a link is set to the wireless terminal device, and a control signal corresponding to the link setting is transmitted. Control can be simplified by setting the link along the terminal category.

No. of Pages: 60 No. of Claims: 6

(22) Date of filing of Application :29/01/2015 (43) Publication Date: 12/06/2015

#### (54) Title of the invention: SYSTEM FOR PROCESSING LIQUEFIED GAS IN SHIP

(51) International classification: B63B25/16,F17C13/00,F25J3/00 (71) Name of Applicant: (31) Priority Document No :10-2012-0118241 (32) Priority Date :24/10/2012 (33) Name of priority country :Republic of Korea

(86) International Application :PCT/KR2013/009540 No

:24/10/2013 Filing Date

(87) International Publication :WO 2014/065618

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA Filing Date

1)DAEWOO SHIPBUILDING & MARINE

ENGINEERING CO., LTD.

Address of Applicant :85, Da-dong, Jung-gu, Seoul 100-180

REPUBLIC OF KOREA (72) Name of Inventor: 1)LEE, Joon Chae

2) CHOI, Dong Kyu 3)MOON, Young Sik 4)JUNG Seung Kyo 5)JUNG, Jeheon 6)KIM, Nam Soo

#### (57) Abstract:

Disclosed is a system for processing a liquefied natural gas in a ship, comprising a storage tank for storing liquefied natural gas, and an engine using the liquefied natural gas stored in the storage tank as a fuel. The system for processing the liquefied gas comprises: a first stream comprising an evaporation gas that is generated from the liquefied natural gas inside the storage tank and then discharged from the storage tank; a second stream comprising the evaporation gas from the first stream which is supplied to the engine as the fuel; and a third stream comprising the evaporation gas from the first stream that is not supplied to the engine. The first stream is compressed by a compression device and then branched into the second stream and the third stream. The third stream is heat exchanged with the first stream in a heat exchanger and then liquefied, thereby processing the evaporation gas without using a reliquefication device that uses an additional coolant.

No. of Pages: 55 No. of Claims: 13

(22) Date of filing of Application :28/01/2015 (43) Publication Date: 12/06/2015

#### (54) Title of the invention: METHODS FOR HANDLING COAL PROCESSING EMISSIONS AND ASSOCIATED SYSTEMS AND DEVICES

(51) International classification: B01D45/04, B01D45/08, C10L5/00 (71) Name of Applicant:

:WO 2014/021909

(31) Priority Document No :61/678,018 (32) Priority Date :31/07/2012

(33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/057980

:28/09/2012

Filing Date

(87) International Publication

(61) Patent of Addition to :NA **Application Number** :NA

Filing Date (62) Divisional to Application :NA Number :NA

1)SUNCOKE TECHNOLOGY AND DEVELOPMENT

Address of Applicant: 1011 Warrenville Road 6th Floor, Lisle,

IL 60532 UNITED STATES OF AMERICA

(72) Name of Inventor:

1) RODGERS, Bradley, Thomas

2)PRIEN, Justin, Leigh 3)GILL, Matt, William 4) QUANCI, John, Francis 5)SARPEN, Jacob, Peter

(57) Abstract:

Filing Date

The present technology describes various embodiments of systems and methods for handling emissions. More specifically some embodiments are directed to systems and methods for collecting heated particulate from a coal processing system. In one embodiment a method of handling emissions from a coal processing system includes inletting the emissions into a duct. The emissions include heated particulate. The method further includes slowing a speed of the emissions traveling through the duct and disengaging the heated particulate from the emissions without the use of a physical barrier. In some embodiments the heated particulate is slowed cooled and diverted from an emissions pathway into a collection bin.

No. of Pages: 18 No. of Claims: 26

(22) Date of filing of Application :27/01/2015 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: POOL CLEANER WITH LASER RANGE FINDER 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> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:G01C3/08 :61/664,945 :27/06/2012 :U.S.A. :PCT/US2013/048370 :27/06/2013 :WO 2014/004929 :NA :NA	(71)Name of Applicant:  1)PENTAIR WATER POOL AND SPA, INC. Address of Applicant:1620 Hawkins Avenue, Sanford, NC 27330 UNITED STATES OF AMERICA. 2)VIRGINIA TECH INTELLECTUAL PROPERTIES, INC. (72)Name of Inventor: 1)LEONESSA, Alexander 2)BOOTHE, Brian, J. 3)CAIN, Christopher, H.
(62) Divisional to Application Number Filing Date	:NA :NA	o) cirili, cirilio pici, ri

#### (57) Abstract:

Embodiments of the invention provide a pool cleaner control system including a laser range finder with a first laser line generator, a second laser line generator, and a camera. The first laser line generator and the second laser line generator are positioned to emit parallel laser lines and the camera is positioned to capture an image of the laser lines projected on an object. The control system also includes a controller in communication with the laser range finder and configured to control operation of the laser line generators to emit the laser lines and to control the camera to capture the image. The controller is also configured to receive the image from the camera, calculate a pixel distance between the laser lines in the image, and calculate the physical distance between the camera and the object based on the pixel distance.

No. of Pages: 45 No. of Claims: 13

(22) Date of filing of Application :29/01/2015 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: TOUCH INPUT DEVICE CONTROL DEVICE, AND TOUCH INPUT DEVICE CONTROL 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>	:G06F3/044,G06F3/041 :2012-166304 :26/07/2012 :Japan :PCT/JP2013/004478 :23/07/2013 :WO 2014/017077 :NA :NA	(71)Name of Applicant:  1)SONY COMPUTER ENTERTAINMENT INC. Address of Applicant:1-7-1, Konan, Minato-ku, Tokyo 1080075 JAPAN (72)Name of Inventor: 1)HIRATA, Shinichi
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#### (57) Abstract:

A drive unit (10) sequentially selects one drive line from multiple drive lines of a touch input device, and applies a drive voltage to the selected drive line. A voltage detection unit (20) sequentially selects one sensing line from multiple sensing lines and detects the output voltage of the selected sensing line. A computation/control unit (40) obtains the resistance value of a pressure sensitive resistor disposed at a position where the selected drive line and the selected sensing line intersect on the basis of the drive voltage and the output voltage. The drive unit (10) applies a bias voltage that is equal to zero or that is lower than the drive voltage to the drive lines other than the selected drive line.

No. of Pages: 68 No. of Claims: 9

(21) Application No.4779/KOLNP/2011 A

(19) INDIA

(22) Date of filing of Application :21/11/2011

(43) Publication Date: 12/06/2015

### (54) Title of the invention : VALVE DEVICE VALVE INSERT EXTERNAL FUNCTIONAL MEANS TREATMENT APPARATUS 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> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:14/04/2010 : NA :NA :NA :NA	(71)Name of Applicant:  1)FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH Address of Applicant: Else-Kröner-Strasse 1 61352 Bad Homburg Germany (72)Name of Inventor: 1)LAUER Martin
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a valve device (100) comprising an elastic valve insert (1) and a reception means (3) for the valve insert (1). It further relates to a valve insert (1), an external functional means and a treatment apparatus, as well as a manufacturing method and methods in which the valve device of the invention (100) may be employed.

No. of Pages: 51 No. of Claims: 33

(22) Date of filing of Application :21/01/2015

(43) Publication Date: 12/06/2015

# (54) Title of the invention : MICROPOROUS ZIRCONIUM SILICATE FOR THE TREATMENT OF HYPERKALEMIA IN HYPERCALCEMIC PATIENTS AND IMPROVED CALCIUM-CONTAINING COMPOSITIONS FOR THE TREATMENT OF HYPERKALEMIA

Filing Date :11/07/20	1)ZS PHARMA, INC. Address of Applicant :1120 South Freeway, Fort Worth, Texas 76104 UNITED STATES OF AMERICA. 2)KEYSER, Donald, Jeffrey
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#### (57) Abstract:

The present invention relates to novel calcium- containing microporous zirconium silicate compositions that are formulated to remove toxins, e.g. potassium ions, from the gastrointestinal tract at an elevated rate without removing calcium from the patient s body. Also disclosed are methods of using calcium -free or low calcium microporous zirconium silicate compositions for the treatment of hyperkalemia in patients also suffering from hypercalcemia.

No. of Pages: 82 No. of Claims: 64

(21) Application No.213/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/01/2015 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: PORTABLE RESOURCE MANAGEMENT SYSTEMS AND METHODS

(51) International classification :H04W52/02,H04W64/00,H04W88/02

(31) Priority Document No :61/672,563 (32) Priority Date :17/07/2012

(33) Name of priority :U.S.A.

country

(86) International :PCT/US2013/050760

Application No Filing Date :16/07/2013

(87) International

Publication No :WO 2014/014961

(61) Patent of Addition to Application Number Filing Date :NA

(62) Divisional to Application Number Filing Date :NA (71)Name of Applicant:

1)INTERTRUST TECHNOLOGIES CORPORATION Address of Applicant :920 Stewart Drive, Sunnyvale,

California 94085-3913 UNITED STATES OF AMERICA

(72)Name of Inventor:

1)SU, Dennis 2)MA, Yiming

#### (57) Abstract:

This disclosure relates to systems and methods for managing resources of a mobile device based on a state of the device. In certain embodiments, systems and methods disclosed herein may adjust utilization of one more device systems and/or sensors based on a state of a device to better utilize device power or other resources. In further embodiments, systems and methods disclosed herein may utilize one or more power efficient systems to determine when a device is in a transitory state and to schedule precise location determination events at times when the device is more likely to be located at a point of interest.

No. of Pages: 46 No. of Claims: 11

(22) Date of filing of Application :29/01/2015 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: SYSTEM AND METHOD FOR SUPPLYING HYBRID FUEL IN ENGINE FOR SHIP

(51) International classification	:F02M 21/02,F02D19/06	(71)Name of Applicant: 1)DAEWOO SHIPBUILDING & MARINE
(31) Priority Document No	:10-2012-0118241	ENGINEERING CO., LTD.
(32) Priority Date	:24/10/2012	Address of Applicant :85, DA-DONG, JUNG-GU, SEOUL
(33) Name of priority country	:Republic of Korea	100-180 REPUBLIC OF KOREA
(86) International Application No	:PCT/KR2013/009539	(72)Name of Inventor:
Filing Date	:24/10/2013	1)LEE, JOON CHAE
(87) International Publication No	:WO 2014/065617	2)CHOI, DONG KYU
(61) Patent of Addition to Application	:NA	3)MOON, Young Sik
Number	:NA	4)JUNG, SEUNG KYO
Filing Date	.IVA	5)JUNG, JEHEON
(62) Divisional to Application Number	:NA	6)KIM, Nam Soo
Filing Date	:NA	

#### (57) Abstract:

A hybrid fuel supply system for an engine of a vessel is provided. The hybrid fuel supply system for the engine of the vessel includes: a compression device configured to compress boil-off gas (BOG) generated from liquefied natural gas (LNG) stored in an LNG cargo tank; a high pressure pump configured to compress LNG supplied from the LNG cargo tank; a vaporizer configured to vaporize the LNG compressed by the high pressure pump; and a dual fuel (DF) engine to which the BOG compressed through the compression device is supplied as fuel. The engine of the vessel uses high pressure gas compressed at 150 to 400 bar as fuel and is driven by at least one of the BOG compressed in the compression device and the LNG compressed in the high pressure pump.

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

(21) Application No.2958/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :16/12/2014 (43) Publication Date : 12/06/2015

### (54) Title of the invention : A METHOD FOR CONTROLLING A MINERAL MATERIAL PROCESSING PLANT AND A MINERAL MATERIAL PROCESSING 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</li> <li>Number Filing Date</li> </ul>	:B02C21/02 :20125628 :08/06/2012 :Finland :PCT/FI2013/050576 :27/05/2013 :WO 2013/182741 :NA :NA	(71)Name of Applicant:  1)METSO MINERALS, INC.  Address of Applicant: Fabianinkatu 9 A, FI-00130 Helsinki FINLAND (72)Name of Inventor:  1)MAUNULA, Erno 2)JOKIRANTA, Mikko 3)RANTANEN, Jukka-Pekka
Number		3)RANTANEN, Jukka-Pekka
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A mineral material processing plant (100) and a method for controlling thereof. The processing plant (100) comprises at least one motor (104), at least one actuator, a control and adjusting system (110,214), a switch (111,111) for switching the processing plant to a standby mode and an arrangement for keeping selected actuators in operation with a reduced standby speed. In the method, a command is given to the processing plant (100) to switch to the standby mode and in response to said command to switch to the standby mode, feeding of mineral material to the processing plant (100) is limited and speed of the motor (104) or motors of the processing plant (100) is reduced from the processing speed (Rf) to a reduced standby speed (Rsb) and it is ensured that selected actuators of the processing plant (100) remain operating with a reduced speed.

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

(21) Application No.302/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/02/2015 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: HETEROCYCLYL CARBOXAMIDES FOR TREATING VIRAL 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 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>	:30/08/2013 :WO 2014/036443 :NA :NA	(71)Name of Applicant:  1)NOVADRUG, LLC Address of Applicant:2201 West Campbell Park Drive, Suite 215, Chicago, Illinois 60612 UNITED STATES OF AMERICA (72)Name of Inventor:  1)HUBERMAN, Eliezer
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Methods, uses, medicaments, and unit doses for treating viral diseases are described herein. The methods, uses, medicaments, and unit doses include (a) substituted piperidine and piperazine carboxamides, or a pharmaceutically acceptable salt thereof and (b) one or more pharmaceutically acceptable carriers, excipients or diluents, or combinations thereof. Viral diseases include hepatitis C virus, HIV, BVDV and Coronavirus infections.

No. of Pages: 62 No. of Claims: 38

(21) Application No.200/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/01/2015 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: SUPPORTING APPARATUS FOR CONDUCTORS

(32) Priority Date :12/07/2012 <b>LTD</b>	<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</li> <li>Number Filing Date</li> </ul>	:2012902989 :12/07/2012 :Australia :PCT/AU2013/000756 :10/07/2013 :WO 2014/008539 :NA :NA	Address of Applicant :190 Power Street, Glendenning, New South Wales 2761 AUSTRALIA (72)Name of Inventor:
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#### (57) Abstract:

A supporting apparatus for a conductor, comprising a helical rod having a plurality of turns. The pitch between the turns varies along the length of the helical rod, from a region of longer pitch at an end of the helical rod to a region of shorter pitch along the rod.

No. of Pages: 33 No. of Claims: 26

(22) Date of filing of Application :27/01/2015 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: PRECAST TRAFFIC BARRIER ATOP RETAINING WALL 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>	:E01F15/04,E01F15/08 :61/665,545 :28/06/2012 :U.S.A.	(71)Name of Applicant:  1)EARTH REINFORCEMENT TECHNOLOGIES, LLC. Address of Applicant: 437 Creekstone Ridge, Woodstock, GA 30188 UNITED STATES OF AMERICA
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:PCT/US2013/048286 :27/06/2013 :WO 2014/004892	(72)Name of Inventor: 1)RAINEY, Thomas, L.
Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	

#### (57) Abstract:

Disclosed herein is an embodiment of a roadside barrier to sit on top of a retaining wall to provide impact resistance to vehicular traffic. The precast concrete traffic barrier unit is designed to have a counterweight from soil backfill on the horizontal stem portion of the precast unit that acts to resist overturning pressures from vehicle impact on the precast traffic barrier portion which extends above the roadway surface. The horizontal stem is an exemplary designed triangular in shape to capture more of the backfill soil than typically what soil backfill rest directly above the horizontal stem or counterweight portion. Therefore, the triangular horizontal stem with its arching effect between adjacent units will allow more of the soil backfill to resist impact loading and reduce the amount of concrete needed to provide adequate vehicle restraint protection. An alignment seat locks the traffic barrier unit to the retaining wall below.

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

(21) Application No.202/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :21/01/2015 (43) Publication Date : 12/06/2015

### (54) Title of the invention : MODULATION AND EQUALIZATION IN AN ORTHONORMAL TIME-FREQUENCY SHIFTING COMMUNICATIONS SYSTEM

:H04L27/26,H04L27/10 (71)Name of Applicant : (51) International classification (31) Priority Document No 1) COHERE TECHNOLOGIES, INC. :61/664,020 (32) Priority Date Address of Applicant: 404 Saratoga Avenue Santa Clara, CA :25/06/2012 (33) Name of priority country 95050 UNITED STATES OF AMERICA :U.S.A. (86) International Application No :PCT/US2013/047723 (72)Name of Inventor: Filing Date :25/06/2013 1)HADANI, Ronny (87) International Publication No :WO 2014/004585 2) RAKIB, Selim, Shlomo (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

A system and method of providing a modulated signal useable in a signal transmission system. The method includes transforming, perhaps with respect to both time and frequency, a data frame including a plurality of data elements into a transformed data matrix. The transformed data matrix includes a plurality of transformed data elements where each of the plurality of transformed data elements is based upon each of the plurality of data elements. The method further includes generating the modulated signal in accordance with the transformed data elements of the transformed data matrix.

No. of Pages: 158 No. of Claims: 34

(22) Date of filing of Application :28/01/2015 (43) Publication Date: 12/06/2015

#### (54) Title of the invention: MATRIX AND SYSTEM FOR PRESERVING BIOLOGICAL SPECIMENS FOR QUALITATIVE AND QUANTITATIVE ANALYSIS

(51) International classification :G01N1/04,G01N1/00,C12Q1/68 (71)Name of Applicant : (31) Priority Document No :61/680,193

(32) Priority Date :06/08/2012 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2013/053799

:06/08/2013 Filing Date

(87) International Publication No:WO 2014/025787

(61) Patent of Addition to :NA **Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)VIVEBIO, LLC

Address of Applicant: 1000 Mansell Exchange West, Suite 305, Alpharetta, GA 30022 UNITED STATES OF AMERICA

(72) Name of Inventor: 1)DE LA ROSA, Abel 2) HEALY, Mimi C. G.

3) REECE, Kristy S. 4)MCCLERNON, Daniel R.

5)MCCLERNON, Anita Matthews

#### (57) Abstract:

The present invention provides a device system and methods of use comprising an absorbent hydrophobic polyolefin matrix and methods of use thereof for storage preserving and recovering liquid suspension of biological specimens containing analytes of interest in a dry state. The dried biological specimens containing analytes of interest absorbed on the polyolefin matrix are reconstituted such as with molecular grade water and released by compressing the polyolefin matrix. The reconstituted biological analytes are qualified for subsequent analysis such as for qualitative and quantitative analysis of viral nucleic acids such a viral load testing genotyping and sequencing. Also provided are kits with instructions and methods of use thereof for storage preserving and recovering biological specimens containing analytes of interest using the compression device of the invention.

No. of Pages: 137 No. of Claims: 26

(21) Application No.269/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :29/01/2015 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: ELASTIC WHEEL FOR RAILWAY VEHICLES

(51) International classification	:B60B9/12	(71)Name of Applicant:
(31) Priority Document No	:P201231225	1)CONSTRUCCIONES Y AUXILIAR DE
(32) Priority Date	:30/07/2012	FERROCARRILES, S.A.
(33) Name of priority country	:Spain	Address of Applicant :José Miguel Iturrioz, 26, E-20200
(86) International Application No	:PCT/ES2013/070513	Beasain (Guipuzcoa) SPAIN
Filing Date	:16/07/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/020203	1)LANDABEREA RODRIGUEZ, Jose Aitor
(61) Patent of Addition to Application	:NA	2)IARTZA ZUBIRIA, Jon
Number	:NA	3)IRIZAR IZAGUIRRE, Iker
Filing Date	:NA	4)IZTUETA ARAKAMA, Haritz
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to an elastic wheel for railway vehicles, consisting of a tread (1) and a wheel web (2) which define a recess for inserting an elastomer which is then compressed by a retaining ring (3) which is connected to the wheel web (2) by a series of connecting screws (4), and wherein the elastomer is consists of a plurality of V shaped elastic blocks, having two oblique walls belonging to the wheel web (2) and the retaining ring (3), respectively, which form an angle of 48° to 52° relative to the axis (R) of the wheel, and wherein the oblique walls end in respective tilted sections which support the vertices of the V shaped elastic blocks (5), said tilted sections forming an angle of 2° to 10° relative to the axis (R) of the wheel.

No. of Pages: 11 No. of Claims: 3

(21) Application No.212/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :22/01/2015 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: COATED STENT

:A61L31/08,A61L31/14 (71)Name of Applicant : (51) International classification 1)AXETIS AG (31) Priority Document No :01284/12 (32) Priority Date :06/08/2012 Address of Applicant :Blegistrasse 5 CH-6340 Baar (33) Name of priority country :Switzerland **SWITZERLAND** (86) International Application No (72) Name of Inventor: :PCT/EP2013/064341 Filing Date :08/07/2013 1)COVELLI, Bruno (87) International Publication No :WO 2014/023495 2) MATHYS, Nicolas (61) Patent of Addition to Application :NA :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

#### (57) Abstract:

The invention relates to a coating(12) for a medical implant, particularly for a vascular stent (6), said coating comprising silicon dioxide and having a thickness of between 40 and 150 nm. The invention also relates to a method for producing such a coating a coated medical implant, and a method for producing same.

No. of Pages: 28 No. of Claims: 17

(21) Application No.239/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/01/2015 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: A CAP FOR CONTAINERS

(51) International classification	:B65D41/04	(71)Name of Applicant:
(31) Priority Document No	:MO2012A000253	1)SACMI COOPERATIVA MECCANICI IMOLA
(32) Priority Date	:18/10/2012	SOCIETA' COOPERATIVA
(33) Name of priority country	:Italy	Address of Applicant :Via Selice Provinciale 17/a, I-40026
(86) International Application No	:PCT/IB2013/059058	Imola (bologna) ITALY
Filing Date	:02/10/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/060893	1)FALZONI, Alessandro
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1111	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A cap for a container comprises: -a side wall (2) provided with at least one anchoring element (3) for removably fixing the cap (1; 101) to a neck (20) of the container; -a top wall (4) arranged transversely to the side wall (2);-a connection zone (5) in which the side wall (2) is connected to the top wall (4). The connection zone (5) comprises a first wall portion (6) which projects from the side wall (2) towards the inside of the cap (1; 101) and a second wall portion (7) which joins the first wall portion (6) to the top wall (4), the first wall portion (6) and the second wall portion (7) defining a recess structure (9) on an outer surface of the connection zone (5).

No. of Pages: 21 No. of Claims: 12

(22) Date of filing of Application :27/01/2015 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: COMPOUNDS AND THERAPEUTIC 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> </ul>	:C07D213/69 :61/665,297 :27/06/2012 :U.S.A. :PCT/US2013/048274 :27/06/2013 :WO 2014/004884	(71)Name of Applicant:  1) ALZHEIMER'S INSTITUTE OF AMERICA, INC. Address of Applicant: 7837 Parallel Parkway, Kansas City, Kansas 66112-2493 UNITED STATES OF AMERICA (72)Name of Inventor: 1)WILLARDSEN, J. Adam 2)LOCKMAN, Jeffrey W.
(87) International Publication No (61) Patent of Addition to Application Number Filing Date	:WO 2014/004884 :NA :NA	2)LOCKMAN, JEHREY W. 3)MURPHY, Brett R. 4)JUDD, Weston R. 5)YAGER, Kraig M.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to compounds, pharmaceutical compositions and methods useful for treating cancer, systemic or chronic inflammation, rheumatoid arthritis, diabetes obesity, T-cell mediated autoimmune disease ischemia, and other complications associated with these diseases and disorders.

No. of Pages: 117 No. of Claims: 77

(21) Application No.2825/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/12/2014 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: STEREO CAMERA

<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>	:G06T5/00 :2012-162344 :23/07/2012 :Japan	(71)Name of Applicant: 1)RICOH COMPANY, LTD. Address of Applicant: 3-6, Nakamagome 1-Chome, Ohta-ku, Tokyo, 1438555 Japan
<ul> <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>	1	(72)Name of Inventor: 1)KASAHARA, RYOSUKE

#### (57) Abstract:

A stereo camera that obtains an image having disparity with respect to a photographic subject, includes: a polarization combiner that combines optical paths of left light and right light, directions of polarization of which are different in a perpendicular direction and which form two images having disparity, into one; an imager that captures an image having at least two polarized components; and an optical member that focuses the combined left light and right light onto the imager.

No. of Pages: 81 No. of Claims: 14

(21) Application No.297/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/02/2015 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: AIR PULSATOR CONTROL SYSTEM

(51) International classification	:A61H31/00,A61H23/04	(71)Name of Applicant:
(31) Priority Document No	:13/600,216	1)ELECTROMED, INC.
(32) Priority Date	:31/08/2012	Address of Applicant : A Corporation Of Minnesota, US, 500
(33) Name of priority country	:U.S.A.	Sixth Avenue NW, New Prague, MN 56071 UNITED STATES
(86) International Application No	:PCT/US2013/000200	OF AMERICA
Filing Date	:29/08/2013	(72)Name of Inventor:
(87) International Publication No	:WO 2014/035461	1)HELGESON, Lonnie, J.
(61) Patent of Addition to Application	:NA	2)LARSON, Michael, W.
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A device and method coupled to a therapy garment (30) to apply pressure and repetitive compression forces to a body of a person (60) has an air pulsator (1 1) and a user programmable time, frequency and pressure controller (106) operable to regulate the duration of operation, frequency of the air pulses and a selected air pressure applied to the body of a person (60).

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

(22) Date of filing of Application :28/01/2015 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: COMPRESSIBLE CONNECTOR FOR AN INNER CANNULA

<ul> <li>(51) International classification</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>	:A61M16/04 :13/565,273 :02/08/2012 :U.S.A. :PCT/US2013/052867 :31/07/2013 :WO 2014/022479 :NA :NA :NA	(71)Name of Applicant:  1)COVIDIEN LP Address of Applicant:15 Hampshire Street, Mansfield, Massachusetts 02048 UNITED STATES OF AMERICA. (72)Name of Inventor: 1)BRUGGEMAN, Martin 2)RYAN, James 3)KIERNAN, Declan 4)FINNERAN, Alan
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#### (57) Abstract:

A tracheal tube assembly includes an outer cannula configured to be positioned in a patient airway and an inner cannula configured to be disposed inside the outer cannula. The tracheal tube assembly further includes a flange member secured about the outer cannula and an outer cannula connector coupled to a proximal end of the outer cannula. The inner cannula includes a compressible proximal end region that is compressed while secured inside the outer cannula connector.

No. of Pages: 32 No. of Claims: 24

(21) Application No.241/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :27/01/2015 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: MEDICAL SYSTEM

(51) International classification	:G06F19/00	(71)Name of Applicant :
(31) Priority Document No	:12180168.2	1)SANOFI-AVENTIS DEUTSCHLAND GMBH
(32) Priority Date	:10/08/2012	Address of Applicant :Brüningstraße 50, 65929 Frankfurt am
(33) Name of priority country	:EPO	Main GERMANY
(86) International Application No	:PCT/EP2013/066754	(72)Name of Inventor:
Filing Date	:09/08/2013	1)TEUCHER, Axel
(87) International Publication No	:WO 2014/023834	2)ROETHKE, Frank
(61) Patent of Addition to Application	:NA	3)SCHAUDERNA, Florian
Number	:NA	4)DITTRICH, Marcus-Meinolf
Filing Date	.IVA	5)TUBB, Andrew
(62) Divisional to Application Number	:NA	6)GOLNIK, Timothy
Filing Date	:NA	7)FLAHERTY, Joseph

#### (57) Abstract:

The invention refers to a medical device for supporting health control. In order to provide safe access to a dose helper functionality, the device comprises: first storage means arranged to store an initial data matrix with at least one initial parameter set containing at least two initial data entries for one parameter of the dose helper functionality; receiving means arranged to receive initialization data and/or security data, preferably from a second storage means, for example provided by a hardware key; selecting means operable to select based at least in part on the initialization data one data entry for each initial parameter set as initial data or one initial parameter template containing a reference to one data entry for each initial parameter set as initial data; and first activation means arranged to activate preferably based at least in part on the security data, execution of the dose helper functionality based on the selected initial data. The invention further refers to a respective medical system, a method for providing such information, a respective computer program and a respective computer program product.

No. of Pages: 47 No. of Claims: 22

(21) Application No.299/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :03/02/2015

(43) Publication Date: 12/06/2015

#### (54) Title of the invention: METHODS OF INDUCING ANESTHESIA

(51) International :A61K31/357,A61K31/34,A61K31/015 classification

(31) Priority Document :61/670,098

:10/07/2012 (32) Priority Date

(33) Name of priority :U.S.A.

country

(86) International :PCT/US2013/031668 Application No

:14/03/2013 Filing Date

(87) International :WO 2014/011235 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to

**Application Number** :NA Filing Date

:NA

(71)Name of Applicant:

1) THE REGENTS OF THE UNIVERSITY OF

**CALIFORNIA** 

Address of Applicant: 1111 Franklin Street 12th Floor, Oakland, CA 94607-5200 UNITED STATES OF AMERICA

(72) Name of Inventor:

1)BROSNAN, Robert J.

#### (57) Abstract:

The present invention provides methods for determining the selectivity of an anesthetic for an anesthetic sensitive receptor by determining the molar water solubility of the anesthetic. The invention further provides methods for modulating the selectivity of an anesthetic for an anesthetic sensitive receptor by altering or modifying the anesthetic to have higher or lower water solubility. The invention further provides methods of inducing anesthesia in a subject by administering via the respiratory pathways (e.g., via inhalational or pulmonary delivery) an effective amount of an anesthetic compound identified according to the present methods.

No. of Pages: 122 No. of Claims: 53

(21) Application No.250/KOLNP/2015 A

(19) INDIA

(22) Date of filing of Application :28/01/2015

:NA

:NA

(43) Publication Date: 12/06/2015

### (54) Title of the invention: POLYCONDENSATION CATALYST FOR POLYESTER PRODUCTION AND PRODUCTION OF POLYESTER USING POLYCONDENSATION CATALYST FOR POLYESTER PRODUCTION

:C08G63/82,C08G63/12 (71)Name of Applicant : (51) International classification (31) Priority Document No :2012-170068 1)SAKAI CHEMICAL INDUSTRY CO., LTD. (32) Priority Date :31/07/2012 Address of Applicant: 5-2, EBISUJIMA-CHO, SAKAI-KU, (33) Name of priority country SAKAI-SHI, Osaka 5908502 JAPAN :Japan (86) International Application No :PCT/JP2013/070290 (72) Name of Inventor: Filing Date :26/07/2013 1)TABATA Keiichi (87) International Publication No :WO 2014/021206 2)KAMON Akihiro (61) Patent of Addition to Application 3)IKEGAWA Keiichi :NA Number 4)NAITO Jun :NA Filing Date

(57) Abstract:

Filing Date

2The present invention provides a polycondensation catalyst for polyester production by means of an esterification reaction or transesterification reaction of a glycol and a dicarboxylic acid or an ester forming derivative of a dicarboxylic acid. This polycondensation catalyst is composed of solid base particles each of which has an inner coating layer that is formed of titanic acid on the surface of a particle of a solid base in an amount of 0.1 50 parts by weight in terms of TiO per 100 parts by weight of the solid base and each of which has an outer coating layer that is formed of an oxide of at least one element that is selected from among aluminum zirconium and silicon or a complex oxide of at least two elements that are selected from among aluminum zirconium and silicon on the surface of the inner coating layer in an amount of 1 50 parts by weight.

No. of Pages: 52 No. of Claims: 10

(62) Divisional to Application Number

(22) Date of filing of Application :29/01/2015 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: PROCESS FOR MAKING ISOQUINOLINE 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 No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> </ul>	:C07D217/26 :61/672,191 :16/07/2012 :U.S.A. :PCT/US2013/050538 :15/07/2013 :WO 2014/014834 :NA	(71)Name of Applicant: 1)FIBROGEN, INC. Address of Applicant:409 Illinois St., San Francisco, California 94158 UNITED STATES OF AMERICA. (72)Name of Inventor: 1)THOMPSON, Michael D. 2)PARK, Jung Min 3)AREND, Michael P.
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention relates to methods for making isoquinoline compounds and the intermediate compounds achieved thereby. Such compounds can be used to prepare compounds and compositions capable of decreasing HIF hydroxylase enzyme activity, thereby increasing the stability and/or activity of hypoxia inducible factor (HIF).

No. of Pages: 115 No. of Claims: 93

(22) Date of filing of Application :03/12/2014 (43) Publication Date : 12/06/2015

#### (54) Title of the invention: FIBER BLENDS WITH IMPROVED MOISTURE MANAGEMENT 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 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>	:01/01/1900 : NA :NA :NA :NA	(71)Name of Applicant:  1)OPTIMER PERFORMANCE FIBERS,INC. Address of Applicant: 300 W.ADAMS SUITE 500 CHICAGO, IL 60606 UNITED STATES OF AMERICA (72)Name of Inventor: 1)JAJU, ASHWINKUMAR
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Fiber blends having hydrophobic fibers of both multiple staple lengths and multiple deniers of a single composition are disclosed. Yarns, fabrics, garments, and linens comprising the fiber blends with improved moisture management properties are also disclosed. Fabrics formed from the fiber blends have a water release rate at least about 10% greater than a comparative fabric that is compositionally identical but whose hydrophobic fibers are not both of multiple staple lengths and multiple deniers.

No. of Pages: 32 No. of Claims: 35

# PUBLICATION U/R 84(3) IN RESPECT OF APPLICATION FOR RESTORATION OF PATENTS (MUMBAI)

NOTICE IS HEREBY GIVEN THAT ANY PERSON INTERESTED IN OPPOSING THE FOLLOWING APPLICATION 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 (AMENDMENT) RULES, 2006.

Sl. No.	PATENT NOS.	APPLICANTS	TITLE	DATE OF CESSATION	APPROPRIATE OFFICE
1.	264472	Mahindra & Mahindra Ltd.	An improved air filter for automobiles	14/07/2014	Mumbai
2.	251780	Morita Kagaku Kogyo Co. Ltd.	A method of production of sweetener from stevia rebaudiana plant	02/03/2014	Mumbai
3.	227476	Kedarnath Mohanlal Lohe	An ayurvedic herbal hair oil composition and preparation thereof	11/02/2014	Mumbai
4.	236022	Rajiva Shrikrishna Tambe	Green Chilli Powder/Pieces/Flakes	11/04/2014	Mumbai

## 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.

SI. No.	Application No.	Patent No.	Applicants	Title	Date of Publication U/R.84(3)	Appropriate Office
1.	1788/KOLNP/2005	226744	SANDVIK INTELLECTUAL PROPERTY AB	INDEXABLE CUTTING INSERTS AND METHODS FOR PRODUCING THE SAME	05/12/2014	Kolkata

### Publication Under Section 43(2) in Respect of the Grant

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	266828	917/DEL/2004	20/05/2004	09/09/2003	SYSTEM FOR SELECTIVE METERING OF FLUIDS	LAWER S.p.A.	23/06/2006	DELHI
2	266838	4555/DELNP/2 006	21/01/2005	21/01/2004	A SYSTEM AND METHOD FOR SEISMIC EXPLORATION OF A SUBMERGED SUB- SURFACE	COMPAGNIE GENERALE DE GEOPHYSIQUE	10/08/2007	DELHI
3	266855	2696/DELNP/2 005	26/12/2003	26/12/2002	VACUUM VAPOR- DEPOSITION APPARATUS AND METHOD OF PRODUCING VAPOR- DEPOSITED FILM	TOPPAN PRINTING CO., LTD,APPLIED FILMS GMBH & CO. KG.,	02/10/2009	DELHI
4	266872	749/DEL/2005	31/03/2005		A GRATING MACHINE USEFUL FOR GRATING OF FRUITS, VEGETABLES, COCO NUT AND OTHER SIMILAR PRODUCTS	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	19/06/2009	DELHI
5	266873	2360/DELNP/2 007	20/09/2005	20/09/2004	SELF-ADHESIVE LABELS AND A METHOD OF MANUFACTURE THEREOF	DENNY BROS LTD	03/08/2007	DELHI
6	266877	901/DELNP/20 07	01/08/2005	04/08/2004	PAIRED WARP TRIPLE LAYER FORMING FABRIC WITH OPTIMUM SHEET BUILDING CHARACTERISTICS	ALBANY INTERNATIONAL CORP.	03/08/2007	DELHI

### Publication Under Section 43(2) in Respect of the Grant

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.

Seria 1 Num ber	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	266830	298/MUM/2007	14/02/2007 15:15:01		PROCESS FOR THE CRYSTALLINE FORMS OF CARVEDILOL SALTS	CADILA HEALTHCARE LIMITED	24/10/2008	MUMBAI
2	266831	1631/MUM/2006	03/10/2006		AN IMPROVED PROCESS FOR PREPARATION OF (S) - PRAMIPEXOLE AND INTERMEDIATES THEREOF	CADILA HEALTHCARE LIMITED	18/07/2008	MUMBAI
3	266832	1455/MUMNP/20 08	30/05/2007	28/12/2006	METHOD FOR GENERATING DOWNLINK SIGNAL AND METHOD FOR SEARCHING CELL	1.ELECTRONICS AND TELECOMMUNICATI ONS RESEARCH INSTITUTE, 2.SK TELECOM CO., LTD. and 3.KTFREETEL CO., LTD.	10/10/2008	MUMBAI
4	266834	2194/MUMNP/20 10	13/03/2009	17/03/2008	TOPICAL FORMULATION COMPRISING ADAPALENE MICROSPHERES AND CLINDAMYCIN	GLENMARK PHARMACEUTICALS S.A.	25/02/2011	MUMBAI
5	266839	1213/MUMNP/20 07	20/02/2006	22/02/2005	COMMUNICATION SYSTEM AND A PERSONAL COMMUNICATION PROXY	P2S MEDIA GROUP OY	26/10/2007	MUMBAI
6	266844	877/MUM/2007	08/05/2007		AN IMPROVED METHOD FOR PREPARATION OF (S)- PREGABALIN AND INTERMEDIATE THEREOF	CADILA HEALTHCARE LIMITED	12/06/2009	MUMBAI
7	266845	1242/MUM/2007	29/06/2007 12:31:15		AN AUTOMATIC DIMMER SYSTEM FOR A VEHICLE	NIVRUTTI SHIVARAM PATIL	22/05/2009	MUMBAI
8	266847	1785/MUM/2010	14/06/2010 13:11:20		AN IMPROVED PROCESS FOR THE PREPARATION OF ALDITOL ACETALS	RELIANCE INDUSTRIES LIMITED	27/07/2012	MUMBAI
9	266848	489/MUMNP/200 9	11/05/2007	15/09/2006	INJECTION DEVICE COMPRISING AN IMPROVED DELIVERY ELEMENT	TECPHARMA LICENSING AG	29/05/2009	MUMBAI

10	266849	1137/MUMNP/20 07	11/02/2005	11/02/2005	APPARATUS AND METHOD FOR DYNAMICALLY ASSIGNING ORTHOGONAL CODES IN A RADIO COMMUNICATION SYSTEM	TELEFONAKTIEBOLA GET LM ERICSSON (PUBL)	12/10/2007	MUMBAI
11	266850	46/MUMNP/2009	27/07/2007	27/07/2006	EFFICIENT MEMORY FETCHING FOR MOTION COMPENSATION VIDEO DECODING PROCESS	QUALCOMM INCORPORATED	15/05/2009	MUMBAI
12	266858	1875/MUM/2008	04/09/2008 16:07:49	04/09/2007	METHODS AND DEVICES FOR ESTABLISHING SECURITY ASSOCIATIONS AND PERFORMING HANDOFF AUTHENTICATION IN COMMUNICATIONS SYSTEMS	INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	05/06/2009	MUMBAI
13	266871	2482/MUMNP/20 08	25/05/2007	25/05/2006	GRAPHICS PROCESSOR WITH ARITHMETIC AND ELEMENTARY FUNCTION UNITS	QUALCOMM INCORPORATED	20/02/2009	MUMBAI
14	266875	1740/MUMNP/20 08	27/02/2007	27/02/2006	SYSTEM AND METHOD FOR PROVIDING COMMUNICATION RESOURCES TO WIRELESS DISPATCH PRIORITY USERS	QUALCOMM INCORPORATED	10/10/2008	MUMBAI
15	266880	1738/MUM/2007	11/09/2007		ELECTRONIC MILK ANALYZER	MILKOTECH EQUIPMENTS PVT. LTD.	08/02/2008	MUMBAI
16	266883	2124/MUMNP/20 08	23/03/2007	23/03/2006	A VITERBI PACK METHOD	QUALCOMM INCORPORATED	14/11/2008	MUMBAI

### Publication Under Section 43(2) in Respect of the Grant

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 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	266833	6901/CHENP/2008	19/07/2007	19/07/2006	METHOD AND APPARATUS FOR PERFORMING IP CONFIGURATION AFTER HANDOFF IN WLAN	Qualcomm Incorporated	27/03/2009	CHENNAI
2	266836	2844/CHENP/2007	24/11/2005	27/12/2004	A METHOD AND AN APPARATUS IN THE ADVANCEMENT OF PACKAGING BLANKS	TETRA LAVAL HOLDINGS & FINANCE S.A.	07/09/2007	CHENNAI
3	266837	231/CHENP/2009	13/07/2007	14/07/2006	COOLING ARRANGEMENT FOR AN ELECTRICAL MACHINE	ABB TECHNOLOGY AG	05/06/2009	CHENNAI
4	266840	1651/CHENP/2006	12/11/2004	14/11/2003	MICROPARTICLES COMPRISING SOMATOSTATIN ANALOGUES	NOVARTIS AG	08/06/2007	CHENNAI
5	266841	285/CHE/2009	10/02/2009	14/02/2008	WIRING HOLDING MECHANISM OF MOTORCYCLE	HONDA MOTOR CO., LTD.	13/07/2012	CHENNAI
6	266842	4280/CHENP/2007	21/02/2006	28/02/2005	GUIDING SHOE AND FLAT HEAD FOR A CARDING FLAT OF A CARD	MASCHINENFABRI K RIETER AG	27/06/2008	CHENNAI
7	266860	722/CHENP/2009	23/08/2007	23/08/2006	A METHOD FOR PERFORMING CELL ACQUISITION IN WIRELESS COMMUNICATIONS SYSTEM	QUALCOMM INCORPORATED	29/05/2009	CHENNAI
8	266861	413/CHE/2007	28/02/2007		SOFTCHIP WITH BUILTIN OPERATING SYSTEM AND DRIVERS	KRISHNAMURTHY VAIDYANATHAN	28/11/2008	CHENNAI
9	266865	3118/CHE/2007	27/12/2007		A COOLING SYSTEM FOR THE REAR MOUNTED ENGINE OF A MOTOR VEHICLE	TVS MOTOR COMPANY LIMITED	25/09/2009	CHENNAI
10	266866	5885/CHENP/2007	22/06/2006	22/06/2005	GEAR PUMP WITH INLET PORT	MAGNA POWERTRAIN INC.	13/06/2008	CHENNAI
11	266867	4144/CHENP/2007	21/04/2006	22/04/2005	DOUBLE BARRIER SYSTEM FOR AN IN SITU CONVERSION PROCESS	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.	16/11/2007	CHENNAI

12	266868	5718/CHENP/2007	10/05/2006	12/05/2005	SYSTEM AND METHOD OF PROGRESSIVE SPRAYING ON NON- RECTANGULAR OBJECTS	SPRAYING SYSTEMS CO.	28/03/2008	CHENNAI
13	266869	2017/CHENP/2009	12/11/2007	10/11/2006	A METHOD FOR MANUFACTURING FINE MINERAL POWDERS	CALCARB AG	14/08/2009	CHENNAI
14	266870	726/CHE/2008	25/03/2008		A CUTOUT CAP AND A METHOD OF MANUFACTURING	WIPRO ENTERPRISES LIMITED	02/10/2009	CHENNAI
15	266874	402/CHE/2006	07/03/2006	09/03/2005	HYDROCRACKING PROCESS WITH RECYCLE, COMPRISING ADSORPTION OF POLYAROMATIC COMPOUNDS FROM THE RECYCLED FRACTION ON AN ADSORBAND BASED ON SILICA-ALUMINA WITH A COANTROLLED MACROPORE CONTENT	INSTITUT FRANCAIS DU PETROLE	14/12/2007	CHENNAI
16	266876	648/CHENP/2008	07/07/2006	07/07/2005	METHOD FOR FORMING ADHESIVE BOND AND AQUEOUS DISPERSIONS THEREOF	DOW GLOBAL TECHNOLOGIES LLC	28/11/2008	CHENNAI
17	266881	1016/CHENP/2008	28/07/2006	29/07/2005	ROLLING MILL WITH STANDS WITH THREE ADJUSTABLE ROLLS	DANIELI & C.OFFICINE MECCANICHE S.P.A.	12/09/2008	CHENNAI
18	266882	1623/CHENP/2008	25/09/2006	03/10/2005	XANTHENE DYES	BASF SE	05/12/2008	CHENNAI
19	266885	2972/CHENP/2008	04/12/2006	15/12/2005	AQUEOUS POLYOLEFIN DISPERSIONS FOR TEXTILE IMPREGNATION	DOW GLOBAL TECHNOLOGIES LLC	06/03/2009	CHENNAI

### Publication Under Section 43(2) in Respect of the Grant

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)	Appropriate Office
1	266829	2141/KOLNP/2007	13/12/2005	13/12/2004	METHOD FOR CREATING A REPRESENTATION OF A CALCULATION RESULT LINEARLY DEPENDENT UPON A SQUARE OF A VALUE	FRAUNHOFER- GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.	07/09/2007	KOLKATA
2	266835	420/KOL/2007	19/03/2007		A DEVICE FOR MONITORING AND CONTROLLING OF ELECTROSTATIC PRECIPITATOR.	BHARAT HEAVY ELECTRICALS LIMITED	03/10/2008	KOLKATA
3	266843	425/KOL/2008	04/03/2008	19/04/2007	METHOD FOR PRODUCING A STATOR ASSEMBLY	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	07/11/2008	KOLKATA
4	266846	416/KOLNP/2009	29/06/2007	29/06/2006	BIARYL COMPOUNDS FOR MODULATING A COMPONENT OF KINASE SIGNALLING CASCADE	KINEX PHARMACEUTICALS, LLC	08/05/2009	KOLKATA
5	266851	477/KOLNP/2007	31/08/2005	01/09/2004	A ROTARY VALVE ASSEMBLY FOR AN INTERNAL COMBUSTION ENGINE	BISHOP INNOVATION LIMITED	06/07/2007	KOLKATA
6	266852	676/KOL/2008	03/04/2008	07/05/2007	INSTALLATION AND SERVICE TOOL FOR A CLUTCH	GM GLOBAL TECHNOLOGY OPERATIONS, INC	05/06/2009	KOLKATA
7	266853	1598/KOL/2007	26/11/2007 15:57:36	28/11/2006	PLUG IN HYBRID VEHICLE METHOD AND APPARATUS	GM GLOBAL TECHNOLOGY OPERATIONS, INC.	11/07/2008	KOLKATA
8	266854	732/KOL/2008	17/04/2008	01/06/2007	AN EIGHT SPEED AUTOMATIC TRANSMISSION WITH SIX TORQUE TRANSMITTING DEVICES AND THREE PLANETARY GEAR SETS	GM GLOBAL TECHNOLOGY OPERATIONS INC.	05/06/2009	KOLKATA
9	266856	322/KOL/2008	22/02/2008	23/02/2006	GEAR CHANGE CONTROL DEVICE, STRADDLE-TYPE VEHICLE, AND METHOD OF CONTROLLING GEARBOX	YAMAHA HATSUDOKI KABUSHIKI KAISHA	17/04/2009	KOLKATA

10	266857	3038/KOLNP/2006	21/04/2005	22/04/2004	OPTICAL RECORDING MEDIUM	MITSUBISHI KAGAKU MEDIA CO., LTD.	08/06/2007	KOLKATA
11	266859	4797/KOLNP/2008	01/05/2007	01/05/2006	PYRIDO [2, 3-B] PYRAZINE AND [1, 8] - NAPHTHYRIDINE DERIVATIVES AS ALK AND C-MET INHIBITORS	CEPHALON, INC.	20/03/2009	KOLKATA
12	266862	850/KOL/2007	06/06/2007	25/08/2006	AQUEOUS RELEASE AGENTS AND THEIR USE IN THE PRODUCTION OF POLYURETHANE MOLDINGS	EVONIK DEGUSSA GMBH	14/03/2008	KOLKATA
13	266863	2471/KOLNP/2007	12/01/2006	13/01/2005	ANTI- α 9 INTEGRIN ANTIBODY	GENE TECHNO SCIENCE CO., LTD.	24/08/2007	KOLKATA
14	266864	262/KOLNP/2007	01/08/2005	30/07/2004	A VERTICAL WIND TUNNEL SKYDIVING SIMULATOR	SKYVENTURE, LLC,N. ALAN METNI	06/07/2007	KOLKATA
15	266878	4960/KOLNP/2008	30/03/2007	29/06/2006	ORTHOGONAL FREQUENCY DIVISION MULTIPLE ACCESS MESSAGE PROCESSING METHOD AND APPARATUS	MOTOROLA, INC.	20/03/2009	KOLKATA
16	266879	1355/KOLNP/2007	19/09/2005	23/09/2004	CUTTING TOOL HEAD WITH AXIAL AND RADIAL SURFACES	SECO TOOLS AB	20/07/2007	KOLKATA
17	266884	552/KOLNP/2007	28/01/2005	21/07/2004	A WINGLET FOR A FAN BLADE; A MODIFICATION KIT FOR A FAN BLADE; A FAN AND A METHOD OF MODIFYING A FAN BLADE	DELTA T CORPORATION	06/07/2007	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.

### THE DESIGNS ACT 2000 (SECTION 30) DESIGN ASSIGNMENT

The Design stands in the name of RENAULT TRUCKS registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
254332, 254334, 254333, 254331, 254338, 254352, 254337, 254287, 254351, 254350, 254345, 254339, 254346, 254335, 254353, 254283, 254279, 254336, 254280	12-16 254352, 254351, 254350, 254346, 254353 (12-08)	VOLVO LASTVAGNAR AB, A COMPANY ORGANIZED UNDER THE LAWS OF SWEDEN, OF SE- 405 08 GOTEBORG, SWEDEN

The Design stands in the name of WARTSILA FINLAND OY registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
235301	13-99	CONVION OY (A CORPORATION DULY INCORPORATED AND ORGANISED UNDER THE LAWS OF FINLAND) HAVING ITS REGISTERED OFFICE AT TEKNIIKANTIE 12, 02150 ESPOO, FINLAND

### **COPYRIGHT PUBLICATION**

SL NO	REGISTERED DESIGN NUMBERS	RENEWED ON
1.	201729	18.05.2015
2.	201730	18.05.2015
3.	201731	18.05.2015
4.	201732	18.05.2015
5.	201733	18.05.2015
6.	201734	18.05.2015
7.	201735	18.05.2015
8.	201736	18.05.2015
9.	201737	18.05.2015
10.	201738	18.05.2015
11.	201739	18.05.2015
12.	201741	18.05.2015
13.	201742	18.05.2015
14.	201743	18.05.2015

### **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

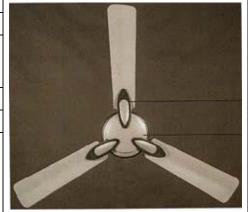
DESIGN NUMBER		265474		
CLASS		09-03		
1)INTERCONTINENTAL GREAT BRANDS LLC, A COMPANY INCORPORATED IN THE STATE OF DELAWARE, USA, OF 100 DEFOREST AVENUE, EAST HANOVER, NEW JERSEY 07936, UNITED STATES OF AMERICA				
DATE OF REGISTRATION	05/09/2014			
TITLE	PACKAGE			
PRIORITY				
PRIORITY NUMBER	DATE	COUNTRY		
29/484,070	05/03/2014	U.S.A.		



DESIGN NUMBER	265278
CLASS	23-04

### 1)KHAITAN (INDIA) LIMITED, AN INDIAN COMPANY OF 46C, JAWAHAR LAL NEHRU ROAD, KOLKATA 700 071, WEST BENGAL, INDIA.

DATE OF REGISTRATION	29/08/2014
TITLE	CEILING FAN



### PRIORITY NA

DESIGN NUMBER	266952		
CLASS	03-01		
1)URMIWEAVE LLP, AN INDIAN LIMITED LIABILITY PARTNERSHIP			

FIRM OF 244 ATD STREET, RACE COURSE, COIMBATORE 641018, STATE OF TAMIL NADU, INDIA

DATE OF REGISTRATION	28/10/2014		
TITLE	HANDBAG		

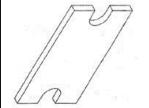


DESIGN NUMBER	219112
CLASS	08-05
1)BRIAN P. CARLSON, SCOTT R.	LIMBACK CHRISTINE M. ROCK, JOSEPH P.

KAPER

145 SPYGLASS DRIVE, CITY OF BERMUDA RUN, COUNTY OF DAVIE, STATE OF NORTH CAROLINA.

DATE OF REGISTRATION	11/04/2008
TITLE	CLEANING PAD
PRIORITY NA	



PRIORITY NA

DESIGN NUMBER	263244	
CLASS	03-01	

1)1) URBANZAA,

203/205, 86/1, MINT PLAZA, VARTHUR HOBLI, BELLANDUR VILLAGE, BENGALURU-560103, AN INDIAN NATIONAL

DATE OF REGISTRATION	11/06/2014		
TITLE	PURSE		



DESIGN NUMBER	264772			
CLASS	07-02			
1)HAVELLS INDIA LIMITED HAVING REGISTERED OFFICE AT 1, RAJ NARAIN MARG, CIVIL LINES, DELHI 110054.				
DATE OF REGISTRATION	1 14/08/2014			
TITLE	INDUCTION HEATER			
PRIORITY NA				



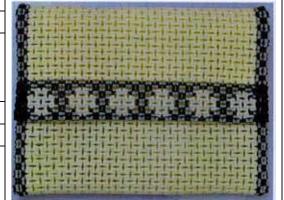
DESIGN NUMBER	2	65475	
CLASS	09-03		
1)INTERCONTINENTAL GREAT BRANDS LLC, A COMPANY INCORPORATED IN THE STATE OF DELAWARE, USA, OF 100 DEFOREST AVENUE, EAST HANOVER, NEW JERSEY 07936, UNITED STATES OF AMERICA			
DATE OF REGISTRATION	05/	09/2014	
TITLE	PAG	CKAGE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/484,070	05/03/2014	U.S.A.	
DESIGN NUMBER		265198	
CLASS		12-05	
1)HAULOTTE GROUP, OF LA PÉRONNIÉRE, 42152 L'HORME, FRANCE, A FRENCH ''SOCIÉTÉ ANONYME''•			
DATE OF REGISTRATION	27/08/2014		
TITLE	COVER FOR MOBILE ELEVATING WORK PLATFORM		RK
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
20141059	28/02/2014	FRANCE	
DESIGN NUMBER		265280	
CLASS	29-02		The same of the sa
1)LIFE LINE SECURITY & SYSTEM, AN INDIAN PROPRIETORSHIP FIRM, HAVING ADDRESS AT 20, FARISHTA COMPLEX, G. E ROAD, RAIPUR - 492001, CHHATTISGARH, INDIA			ı,
DATE OF REGISTRATION	29/08/2014		
TITLE	SHIELD FOR HUMAN PROTECTION		- 1- C-
PRIORITY NA			

DESIGN NUMBER	266953	
CLASS	03-01	

## 1)URMIWEAVE LLP, AN INDIAN LIMITED LIABILITY PARTNERSHIP FIRM OF

244 ATD STREET, RACE COURSE, COIMBATORE 641018, STATE OF TAMIL NADU, INDIA

DATE OF REGISTRATION	28/10/2014		
TITLE	HANDBAG		



DESIGN NUMBER	2	66160	
CLASS		28-03	
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	29/	09/2014	la
TITLE	HAII	R DRYER	#
PRIORITY			<b>5</b> 7
PRIORITY NUMBER	DATE	COUNTRY	<i>U</i>
002438432-0001	02/04/2014 OHIM		
DESIGN NUMBER	2	61429	
CLASS		13-03	
1)ABB INDIA LIMITED, HAVING REGISTERED OFFICE AT 2ND FLOOR, EAST WING, KHANJJA BHAVAN, 49, RACE COURSE ROAD, BANGALORE 560001, KARNATAKA, INDIA, AN INDIAN COMPANY			
DATE OF REGISTRATION	01/	04/2014	
TITLE	SWITO	CH BOARD	
PRIORITY NA			

DESIGN NUMBER		262883		
CLASS	08-08			
1)RAJILKUMAR MAGANLAL TR SOLE PROPRIETOR OF SHREE NI PROPRIETORSHIP CONCERN) HA NAVRANGPARA-8, MAVDI PLO	LKANTHVARI CRE VING PLACE OF BI	ATION (INDIAN USINESS AT:	AL)	
DATE OF REGISTRATION	26	5/05/2014		
TITLE	CURTA	AIN BRACKET		
PRIORITY NA				
DESIGN NUMBER		263259		
CLASS		24-04		
1)RESMED LTD, HAVING AN OF 1 ELIZABETH MACARTHUR DRI AUSTRALIA			53,	
DATE OF REGISTRATION	11	1/06/2014		
TITLE	PATIENT INTERFACE FOR AIR DELIVERY APPARATUS		Y	
PRIORITY	RIORITY			
PRIORITY NUMBER	DATE	COUNTRY		
29/476,292	12/12/2013	U.S.A.		
DESIGN NUMBER		264558		
CLASS		12-08		
1)CHRYSLER GROUP LLC, A DE OF 800 CHRYSLER DRIVE EAST, AU			17 11 11	
DATE OF REGISTRATION	07	7/08/2014		
TITLE	CAR		STO HOLL TO	
PRIORITY				
PRIORITY NUMBER	DATE	COUNTRY		
29/482,347	18/02/2014	U.S.A.		

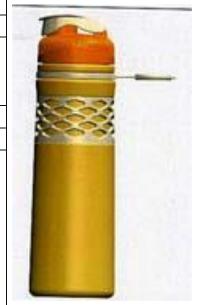
DESIGN NUMBER		265478	
CLASS		09-03	
1)INTERCONTINENTAL GREAT INCORPORATED IN THE STATE ( 100 DEFOREST AVENUE, EAST STATES OF AMERICA	OF DELAWARE, USA	, OF	
DATE OF REGISTRATION	05	/09/2014	
TITLE	PA	CKAGE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/484,070	05/03/2014	U.S.A.	
DESIGN NUMBER	2	264863	
CLASS		12-16	
1)JCB INDIA LIMITED, AN INDIA OFFICE AT B-1/1-1, 2ND FLOOR, N ESTATE, MATHURA ROAD, NEW AND WORKS AT 23/7, MATHUR	MOHAN CO-OPERAT DELHI, INDIA	IVE INDUSTRIAL	
DATE OF REGISTRATION	19/08/2014		
TITLE	B-PILLAR OF THE SKID STEER LOADER MACHINE		
PRIORITY NA			
DESIGN NUMBER	265114		
CLASS	26-03		
1)M/S SHREE SANT KRIPA INTELLECTUAL, HAVING OFFICE AT 7, AKSHAY COMPLEX, OFF. DHOLE PATIL ROAD, PUNE- 411001, MAHARASHTRA, INDIA			
DATE OF REGISTRATION	26	/08/2014	
TITLE	LIGHTING FIXTURES FOR LAMPS		
PRIORITY NA	•		

DESIGN NUMBER	265292
CLASS	09-01

### 1)POLYSET PLASTICS PVT. LTD., INDIAN COMPANY REGISTERED UNDER THE INDIAN COMPANIES ACT, 1956, WHOSE ADDRESS IS

901-906, 9TH FLOOR, CELLO TRIUMUPH, I. B. PATEL ROAD, GOREGAON (EAST), MUMBAI-400 067, MAHARASHTRA, INDIA.

DATE OF REGISTRATION	01/09/2014
TITLE	BOTTLE



### PRIORITY NA

DESIGN NUMBER	266956
CLASS	03-01

### 1)URMIWEAVE LLP, AN INDIAN LIMITED LIABILITY PARTNERSHIP FIRM OF

244 ATD STREET, RACE COURSE, COIMBATORE 641018, STATE OF TAMIL NADU, INDIA

DATE OF REGISTRATION	28/10/2014
TITLE	HANDBAG

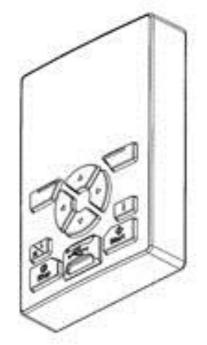


### PRIORITY NA

DESIGN NUMBER	264579
CLASS	14-03
1)ARR AR A SWEDISH COMPANY OF	

KOPPARBERGSVÄGEN 2, 721 83 VÄSTERAS, SWEDEN

DATE OF REGISTRATION	07/08/2014
TITLE	A DEVICE FOR CONTROLLING A SOFTSTARTER



PRIORITY NUMBER	DATE	COUNTRY
002406157	17/02/2014	OHIM

DESIGN NUMBER	265479
CLASS	09-03

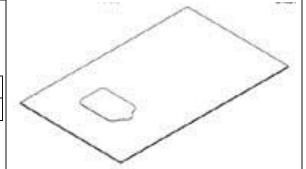
## 1)INTERCONTINENTAL GREAT BRANDS LLC, A COMPANY INCORPORATED IN THE STATE OF DELAWARE, USA, OF

100 DEFOREST AVENUE, EAST HANOVER, NEW JERSEY 07936, UNITED STATES OF AMERICA

DATE OF REGISTRATION	05/09/2014
TITLE	PACKAGE

### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
29/484,070	05/03/2014	U.S.A.



DESIGN NUMBER	215772
CLASS	09-03

## 1)HINDUSTAN PETROLEUM CORPORATION LIMITED.,

LUBES DEPARTMENT, HINDUSTAN BHAWAN, 2ND FLOOR, 8 SOORJI VALLABHDAS MARG, BALLARD ESTATE, MUMBAI-400 001, MAHARASHTRA, INDIA.

DATE OF REGISTRATION	07/04/2008
TITLE	CONTAINER



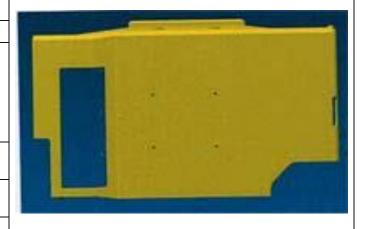
### PRIORITY NA

DESIGN NUMBER	264864
CLASS	12-16

1)JCB INDIA LIMITED, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT B-1/1-1, 2ND FLOOR, MOHAN CO-OPERATIVE INDUSTRIAL ESTATE, MATHURA ROAD, NEW DELHI, INDIA

AND WORKS AT 23/7, MATHURA ROAD, BALLABGARH, HARYANA, INDIA.

DATE OF REGISTRATION	19/08/2014
TITLE	BOTTOM BACK PANEL OF THE SKID STEER LOADER MACHINE
PRIORITY NA	



DESIGN NUMBER	265315
CLASS	15-99

1)SPRAY ENGINEERING DEVICES LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, HAVING ITS REGISTERED OFFICE AT

PLOT NO. 25, INDUSTRIAL AREA, PHASE-II, CHANDIGARH-160 002 (U.T.), **INDIA** 

DATE OF REGISTRATION	01/09/2014
TITLE	CONDENSER



DESIGN NUMBER	266957
CLASS	03-01



244 ATD STREET, RACE COURSE, COIMBATORE 641018, STATE OF TAMIL NADU, INDIA

DATE OF REGISTRATION	28/10/2014
TITLE	HANDBAG



002406132-0002

DATE OF REGISTRATION

DESIGN NUMBER	264580
CLASS	13-03
4) A PRO A D. A GENTERY GOLDANIA OF	

### 1)ABB AB, A SWEDISH COMPANY OF

KOPPARBERGSVÄGEN 2, 721 83 VÄSTERAS, SWEDEN

TITLE	MOTOR	MOTOR STARTING DEVICE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	

17/02/2014

07/08/2014

OHIM





DESIGN NUMBER	265480
CLASS	09-03

## 1)INTERCONTINENTAL GREAT BRANDS LLC, A COMPANY INCORPORATED IN THE STATE OF DELAWARE, USA, OF

100 DEFOREST AVENUE, EAST HANOVER, NEW JERSEY 07936, UNITED STATES OF AMERICA

DATE OF REGISTRATION	05/09/2014
TITLE	PACKAGE

PRIORITY

PRIORITY NUMBER	DATE	COUNTRY
29/484,070	05/03/2014	U.S.A.

DESIGN NUMBER	215773
CLASS	09-03

### 1)HINDUSTAN PETROLEUM CORPORATION LIMITED.,

LUBES DEPARTMENT, HINDUSTAN BHAWAN, 2ND FLOOR, 8 SOORJI VALLABHDAS MARG, BALLARD ESTATE, MUMBAI-400 001, MAHARASHTRA, INDIA.

DATE OF REGISTRATION	07/04/2008
TITLE	CONTAINER



### PRIORITY NA

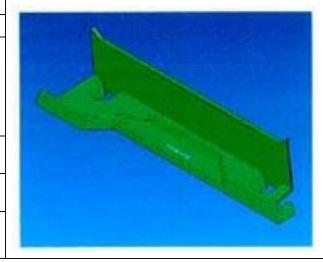
PRIORITY NA

DESIGN NUMBER	264865
CLASS	12-16

1)JCB INDIA LIMITED, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT B-1/1-1, 2ND FLOOR, MOHAN CO-OPERATIVE INDUSTRIAL ESTATE, MATHURA ROAD, NEW DELHI, INDIA

AND WORKS AT 23/7, MATHURA ROAD, BALLABGARH, HARYANA, INDIA.

DATE OF REGISTRATION	19/08/2014
TITLE	TOP BACK PANEL OF THE SKID STEER LOADER MACHINE



DESIGN NUMBER	265316
CLASS	15-99

1)SPRAY ENGINEERING DEVICES LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, HAVING ITS REGISTERED OFFICE AT

PLOT NO. 25, INDUSTRIAL AREA, PHASE-II, CHANDIGARH-160002 (U.T.), INDIA

DATE OF REGISTRATION	01/09/2014
TITLE	CONDENSATE VESSEL



### PRIORITY NA

DESIGN NUMBER	266959
CLASS	09-03
1)M/S. SHRI GANESHA HERBAL COLOURS (P) LTD.,	
B-34, TAGORE NAGAR, BESIDE	DR. G.B. GUPTA. RAIPUR (C.G.)

DATE OF REGISTRATION	28/10/2014
TITLE	PACKAGING BOX



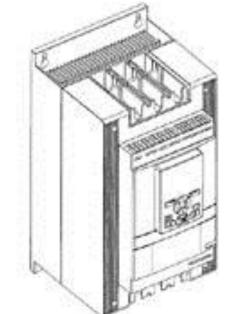
### PRIORITY NA

DESIGN NUMBER	267731	
CLASS	09-01	
1)CHEMISOL INDIA PVT. LTD., 65, NAINAN PARA LANE, KOLKATA-700 036, INDIA, AN INDIAN COMPANY		
DATE OF REGISTRATION 26/11/2014		
TITLE	BOTTLE	



DESIGN NUMBER	264581
CLASS	13-03
1)ABB AB, A SWEDISH COMPANY OF KOPPARBERGSVÄGEN 2, 721 83 VÄSTERAS, SWEDEN	
DATE OF REGISTRATION	07/08/2014

MOTOR STARTING DEVICE



### PRIORITY

TITLE

PRIORITY NUMBER	DATE	COUNTRY
002406132-0004	17/02/2014	OHIM

DESIGN NUMBER	264866
CLASS	12-16

1)JCB INDIA LIMITED, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT B-1/1-1, 2ND FLOOR, MOHAN CO-OPERATIVE INDUSTRIAL ESTATE, MATHURA ROAD, NEW DELHI, INDIA

AND WORKS AT 23/7, MATHURA ROAD, BALLABGARH, HARYANA, INDIA.

DATE OF REGISTRATION	19/08/2014
TITLE	RIGHT SIDE POD OF THE SKID STEER LOADER MACHINE



### PRIORITY NA

DESIGN NUMBER	265120
CLASS	26-05
1)M/S SHREE SANT KRIPA INTELLECTUAL, HAVING OFFICE AT 7, AKSHAY COMPLEX, OFF. DHOLE PATIL ROAD, PUNE-411001, MAHARASHTRA, INDIA,	

DATE OF REGISTRATION	26/08/2014
TITLE	CEILING LIGHT FIXTURE



DESIGN NUMBER	265317
CLASS	23-03

1)SPRAY ENGINEERING DEVICES LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, HAVING ITS REGISTERED OFFICE AT

PLOT NO. 25, INDUSTRIAL AREA, PHASE-II, CHANDIGARH-160 002 (U.T.), INDIA

DATE OF REGISTRATION	01/09/2014
TITLE	HEATING EQUIPMENT



### PRIORITY NA

DESIGN NUMBER	267006
CLASS	05-05

1)SIDDHI VINAYAK KNOTS & PRINTS PVT. LTD. A COMPANY REGISTERED UNDER THE PROVISION OF COMPANIES ACT, 1956 HAVING ITS REGISTERED OFFICE AT

A-26, CENTRAL PARK, GIDC, PANDESARA, SURAT-394221 GUJARAT.

DATE OF REGISTRATION	29/10/2014
TITLE	TEXTILE FABRIC



### PRIORITY NA

DESIGN NUMBER	266662
CLASS	02-02
1)RAMSON EXPORTS (INDIA)	

808, STREET NO. 2, SHANKER LANE, GURU VIHAR, RAHON ROAD, LUDHIANA-141007 (PUNJAB) INDIA

DATE OF REGISTRATION	10/10/2014
TITLE	T-SHIRT



DESIGN NUMBER	266723
CLASS	05-05

1)SIDDHI VINAYAK KNOTS & PRINTS PVT. LTD. A COMPANY REGISTERED UNDER THE PROVISION OF COMPANIES ACT, 1956 HAVING ITS REGISTERED OFFICE AT

A-26, CENTRAL PARK, GIDC, PANDESARA, SURAT-394221 GUJARAT.

DATE OF REGISTRATION	15/10/2014
TITLE	TEXTILE FABRIC



### PRIORITY NA

DESIGN NUMBER	262321
CLASS	30-03

1)1) KRISHAN KUMAR 2) RITU GUPTA AND 3) SBBARAJAGUPTHA SESHA KUMAR, ALL INDIAN NATIONALS, HAVING PRINCIPAL PLACE OF BUSINESS AT

NEXT TO MALIK PETROL PUMP, SANOLI ROAD, PANIPAT-132103, HARYANA, INDIA

DATE OF REGISTRATION	05/05/2014
TITLE	PET BOWL



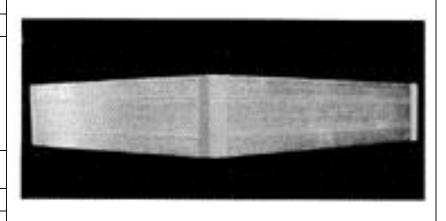
### PRIORITY NA

DESIGN NUMBER	255757
CLASS	09-04

1)M/S. WORLD KITCHEN PRODUCTS, AN INDIAN PARTNERSHIP FIRM, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT,

SURVEY NO. 116/16/1, BLOCK NO. 119, PLOT NO. B, VILLAGE:-PIPODARA, TALUKA:-MANGROL, DIST: SURAT, GUJARAT STATE, INDIA

DATE OF REGISTRATION	12/08/2013
TITLE	BASKET FOR KITCHEN
PRIORITY NA	



DESIGN NUMBER	264582
CLASS	13-03
1)ABB AB, A SWEDISH COMPANY OF	

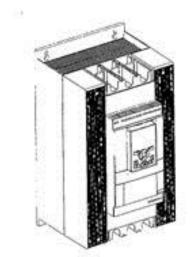
1)ABB AB, A SWEDISH CO	MPANY OF
VODDADDEDCCVÄCEN 2	721 92 VÄCTED AC

KOPPARBERGSVÄGEN 2, 721 83 VÄSTERAS, SWEDEN

DATE OF REGISTRATION	07/08/2014
TITLE	MOTOR STARTING DEVICE



IMOMIII		
PRIORITY NUMBER	DATE	COUNTRY
002406132-0006	17/02/2014	OHIM



DESIGN NUMBER	264868
CLASS	06-01

1)JCB INDIA LIMITED, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT B-1/1-1, 2ND FLOOR, MOHAN CO-OPERATIVE INDUSTRIAL ESTATE, MATHURA ROAD, NEW DELHI, **INDIA** 

AND WORKS AT 23/7, MATHURA ROAD, BALLABGARH, HARYANA, INDIA.

DATE OF REGISTRATION	19/08/2014
TITLE	OPERATOR SEAT OF THE SKID STEER LOADER MACHINE



### PRIORITY NA

CLASS 26-05

### 1)M/S SHREE SANT KRIPA INTELLECTUAL,

HAVING OFFICE AT 7, AKSHAY COMPLEX, OFF. DHOLE PATIL ROAD, PUNE-411001, MAHARASHTRA, INDIA, AN INDIAN.

DATE OF REGISTRATION	26/08/2014
TITLE	CEILING LIGHT FIXTURE



DESIGN NUMBER	265318
CLASS	23-03

1)SPRAY ENGINEERING DEVICES LIMITED, AN INDIAN COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, HAVING ITS REGISTERED OFFICE AT

PLOT NO. 25, INDUSTRIAL AREA, PHASE-II, CHANDIGARH-160 002 (U.T.), INDIA

DATE OF REGISTRATION	01/09/2014
TITLE	HEATING EQUIPMENT



### PRIORITY NA

DESIGN NUMBER	266725	
CLASS	05-05	

1)SIDDHI VINAYAK KNOTS & PRINTS PVT. LTD. A COMPANY REGISTERED UNDER THE PROVISION OF COMPANIES ACT, 1956 HAVING ITS REGISTERED OFFICE AT

A-26, CENTRAL PARK, GIDC, PANDESARA, SURAT-394221 GUJARAT

DATE OF REGISTRATION	15/10/2014
TITLE	TEXTILE FABRIC
PD C D F T L L L	



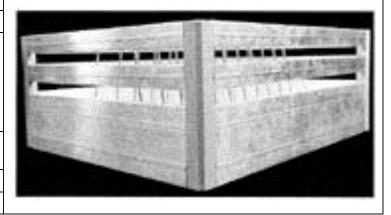
### PRIORITY NA

DESIGN NUMBER	255758	
CLASS	09-04	

1)M/S. WORLD KITCHEN PRODUCTS, AN INDIAN PARTNERSHIP FIRM, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT,

SURVEY NO. 116/16/1, BLOCK NO. 119, PLOT NO. B, VILLAGE:-PIPODARA, TALUKA:-MANGROL, DIST: SURAT, GUJARAT STATE, INDIA

DATE OF REGISTRATION	12/08/2013	
TITLE	BASKET FOR KITCHEN	
PRIORITY NA		



DESIGN NUMBER	264869	
CLASS	12-16	

1)JCB INDIA LIMITED, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT B-1/1-1, 2ND FLOOR, MOHAN CO-OPERATIVE INDUSTRIAL ESTATE, MATHURA ROAD, NEW DELHI, INDIA

AND WORKS AT 23/7, MATHURA ROAD, BALLABGARH, HARYANA, INDIA.

	19/08/2014	
TITLE LEFT SIDE PO	LEFT SIDE POD OF THE SKID STEER LOADER MACHINE	



### PRIORITY NA

DESIGN NUMBER	265124
CLASS	26-05
1) - 1/2 (2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	

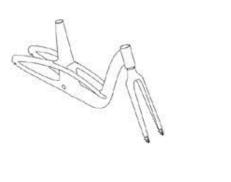
### 1)M/S SHREE SANT KRIPA INTELLECTUAL,

HAVING OFFICE AT 7, AKSHAY COMPLEX, OFF. DHOLE PATIL ROAD, PUNE-411001, MAHARASHTRA, INDIA,

DATE OF REGISTRATION	26/08/2014	
TITLE	CEILING LIGHT FIXTURE	



264003			
12-11			
1)2384543 ONTARIO INC., A COMPANY ORGANIZED UNDER THE LAWS OF CANADA, OF 455 MAGNA DRIVE, AURORA, ONTARIO, L4G 7A9, CANADA			
14/07/2014			
BICYCLE			
PRIORITY			
DATE	COUNTRY		
14/01/2014	U.S.A.		
	ONTARIO, L4G 7A9  14  B  DATE		



DESIGN NUMBER	264922	
CLASS	21-01	

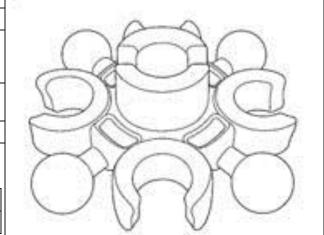
### 1)MAGIC PRODUCTION GROUP S.A., OF

FINDEL BUSINESS CENTER, COMPLEXE B, RUE DE TRÈVES, L-2632 FINDEL, LUXEMBOURG

DATE OF REGISTRATION	21/08/2014	
TITLE	TOY CONSTRUCTION ELEMENT	



1 MOM11			
PRIORITY NUMBER	DATE	COUNTRY	
02411918-0001	25/02/2014	OHIM	



DESIGN NUMBER	266764
CLASS	06-01

# 1)WIM PLAST LIMITED, A PUBLIC LIMITED COMPANY REGISTERED UNDER THE PROVISION OF INDIAN COMPANIES ACT, 1956, HAVING OFFICE ADDRESS AT

5 CORPORATE AVENUE, 'B' WING, CELLO HOUSE, SONAWALA ROAD, GOREGAON (EAST), MUMBAI-400 063, MAHARASHTRA, INDIA

DATE OF REGISTRATION	17/10/2014
TITLE	CHAIR



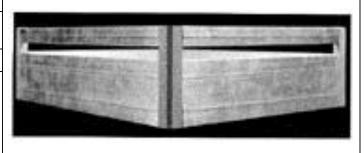
### PRIORITY NA

DESIGN NUMBER	255760
CLASS	09-04

## 1)M/S. WORLD KITCHEN PRODUCTS, AN INDIAN PARTNERSHIP FIRM, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT,

SURVEY NO. 116/16/1, BLOCK NO. 119, PLOT NO. B, VILLAGE:-PIPODARA, TALUKA:-MANGROL, DIST: SURAT, GUJARAT STATE, INDIA

DATE OF REGISTRATION	12/08/2013	
TITLE	BASKET FOR KITCHEN	



DESIGN NUMBER	264871
CLASS	12-16

1)JCB INDIA LIMITED, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT B-1/1-1, 2ND FLOOR, MOHAN CO-OPERATIVE INDUSTRIAL ESTATE, MATHURA ROAD, NEW DELHI, INDIA

AND WORKS AT 23/7, MATHURA ROAD, BALLABGARH, HARYANA, INDIA.

DATE OF REGISTRATION	19/08/2014
TITLE	JOYSTICK (RIGHT SIDE) OF THE SKID STEER LOADER MACHINE



### PRIORITY NA

DESIGN NUMBER	265126
CLASS	26-05

### 1)M/S SHREE SANT KRIPA INTELLECTUAL,

HAVING OFFICE AT 7, AKSHAY COMPLEX, OFF. DHOLE PATIL ROAD, PUNE-411001, MAHARASHTRA, INDIA,

DATE OF REGISTRATION	26/08/2014
TITLE	CEILING LIGHT FIXTURE



### PRIORITY NA

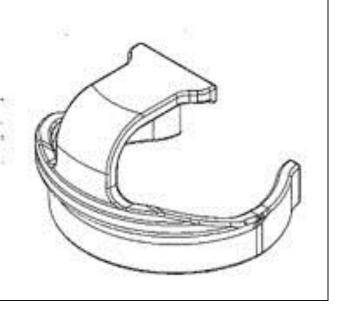
DESIGN NUMBER	268722
CLASS	15-06

## 1)MASCHINENFABRIK RIETER AG, A SWISS COMPANY OF

KLOSTERSTRASSE 20, CH-8406 WINTERTHUR, SWITZERLAND

DATE OF REGISTRATION	08/01/2015
TITLE	CLIP FOR DOFFER

PRIORITY NUMBER	DATE	COUNTRY
201430253300.1	18/07/2014	CHINA



DESIGN NUMBER	268496
CLASS	11-01

### 1)FURLA S.P.A.

VIA BELLARIA, 3-5, I-40068 SAN LAZZARO DI SAVENA (BOLOGNA) ITALY, NATIONALITY: ITALY

DATE OF REGISTRATION	30/12/2014
TITLE	JEWELLERY



### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
002507186-0001	22/07/2014	OHIM

DESIGN NUMBER	262695
CLASS	26-04

## 1)VIBHOR SOGANI, (AN INDIAN NATIONAL) OF THE ADDRESS

A-47/10, G.F. D.L.F. PHASE-I, GURGAON-122001, HARYANA, INDIA

DATE OF REGISTRATION	19/05/2014
TITLE	LUMINOUS TUBE

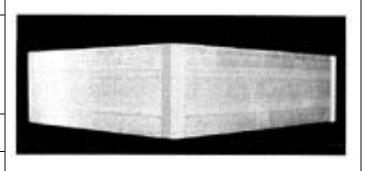


DESIGN NUMBER	255765
CLASS	09-04

## 1)M/S. WORLD KITCHEN PRODUCTS, AN INDIAN PARTNERSHIP FIRM, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT,

SURVEY NO. 116/16/1, BLOCK NO. 119, PLOT NO. B, VILLAGE:-PIPODARA, TALUKA:-MANGROL, DIST: SURAT, GUJARAT STATE, INDIA

DATE OF REGISTRATION	12/08/2013
TITLE	BASKET FOR KITCHEN
PRIORITY NA	



	T			
DESIGN NUMBER			265546	
CLASS			14-02	
1)SONY COMPUTER 1-7-1 KONAN, MINA			ANESE COMPANY OF	
DATE OF REGISTRAT	ION	09	0/09/2014	
TITLE		HEAD MO	UNTED DISPLAY	
PRIORITY	•			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
PRIORITY NUMBER		DATE	COUNTRY	
2014-005487		14/03/2014	JAPAN	
DESIGN NUMBER			264927	
CLASS			12-15	
COMPANY OF 12 COURS SABLON, FR-63000, CLERMONT-FERRAND, FRANCE AND MICHELIN RECHERCHE ET TECHNIQUE S.A., A SWISS COMPANY OF ROUTE LOUIS- BRAILLE 10 - CH-1763 GRANGES-PACCOT, SWITZERLAND  DATE OF REGISTRATION 21/08/2014				
TITLE		TIRE TREAD		
PRIORITY	l .			
PRIORITY NUMBER		DATE	COUNTRY	
29/485,139		17/03/2014	U.S.A.	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
DESIGN NUMBER		265151	Blanch of the second	THE RESIDENCE OF THE PARTY OF T
CLASS		13-03	THE RESERVE	13
1)HAVELLS INDIA LI COMPANY, HAVING R AT 1, RAJ NARAIN N	EGISTERED	OFFICE	The Control of the Co	
DATE OF REGISTRATION	2	26/08/2014	Crabtro Electronic Touch (Remote Controlled)	
TITLE	TOT	JCH SWITCH	Output: 4 Switching	230V AC, 50Hz channels. ir channel- Incandescent-
				V. Fluorescent Tubelight/ (whichever is higher),

DESIGN NUMBER	266765
CLASS	23-04

1)WIM PLAST LIMITED, A PUBLIC LIMITED COMPANY REGISTERED UNDER THE PROVISION OF INDIAN COMPANIES ACT, 1956, HAVING OFFICE ADDRESS AT

5 CORPORATE AVENUE, 'B' WING, CELLO HOUSE, SONAWALA ROAD, GOREGAON (EAST), MUMBAI-400063, MAHARASHTRA, INDIA

DATE OF REGISTRATION	17/10/2014
TITLE	AIR COOLER



### PRIORITY NA

DESIGN NUMBER	266126
CLASS	22-06
1)HI-TECH NATURAL PRODUCTS (INDIA) LTD.	
1)HI-TECH NATURAL PRODUCTS (INDIA) LTD.	

HAVING ITS REGISTERED OFFICE AT 205, JA WAHAR GALI, FARSH BAZAR, SHAHDARA, DELHI-110 032, INDIA.

, ,	,
DATE OF REGISTRATION	26/09/2014
TITLE	BEE SMOKER



### PRIORITY NA

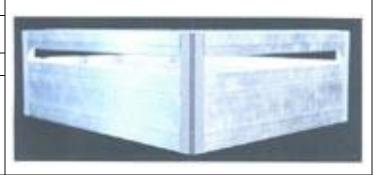
DESIGN NUMBER	255766
CLASS	06-04

1)M/S. WORLD KITCHEN PRODUCTS, AN INDIAN PARTNERSHIP FIRM, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT,

SURVEY NO. 116/16/1, BLOCK NO. 119, PLOT NO. B, VILLAGE:-PIPODARA, TALUKA:-MANGROL, DIST: SURAT, GUJARAT STATE, INDIA

DATE OF REGISTRATION	12/08/2013
TITLE	BASKET FOR KITCHEN





DESIGN NUMBER	265672
CLASS	24-02

1)DIRECTOR GENERAL, DEFENCE RESEARCH AND DEVELOPMENT ORGANIZATION, A COMPANY REGISTERED UNDER THE COMPANIES ACT 1956 HAVING ITS REGISTERED OFFICE AT

MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, ROOM NO. 348, B-WING, DRDO BHAVAN, RAJAJI MARG, NEW DELHI-110011, INDIA; NATIONALITY: INDIAN

DATE OF REGISTRATION	15/09/2014
TITLE	SENSOR HOLDER FOR PHYSIOLOGICAL MONITORING DEVICE



### PRIORITY NA

DESIGN NUMBER	265154
CLASS	13-03
1)HAVELLS INDIA LIMITED AN INDIAN NATIONAL COMPANY, HAVING	

1)HAVELLS INDIA LIMITED AN INDIAN NATIONAL COMPANY, HAVING REGISTERED OFFICE

AT 1, RAJ NARAIN MARG, CIVIL LINES, DELHI 110054

DATE OF REGISTRATION	26/08/2014
TITLE	CIRCUIT BREAKER



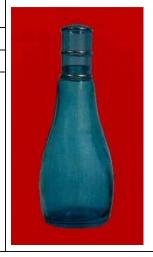
### PRIORITY NA

DESIGN NUMBER	265254
CLASS	09-01

### 1) CLASSIC PERFUME CENTRE,

6TH SHEPERD ROAD, IBRAHIM MANSION, 4TH FLOOR, FLAT NO. 19, NEXT TO SABOO SIDDIQUE COLLEGE, MUMBAI 400008, AN INDIAN PROPRIETOR FIRM

DATE OF REGISTRATION	28/08/2014
TITLE	BOTTLE

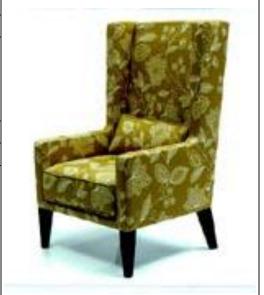


DESIGN NUMBER	268778
CLASS	06-01

## 1)M/S. URBAN LADDER HOME DECOR SOLUTIONS PRIVATE LIMITED HAVING PLACE OF BUSINESS AT

CROPEXIUM, #83, LRDE LAYOUT, KARTHIK NAGAR, MARATHAHALLI, BANGALORE-560037, KARNATAKA, AND NATIONALITY OF INDIAN COMPANY

DATE OF REGISTRATION	12/01/2015
TITLE	CHAIR



### PRIORITY NA

DESIGN NUMBER	243826
CLASS	02-04
1)ASIAN RUBBER INDUSTRIES 69, NAJAFGARH ROAD, (RAMA ROAD), NEW DELHI – 110 015, INDIA,	
DATE OF REGISTRATION	13/03/2012
TITLE	FOOTWEAR



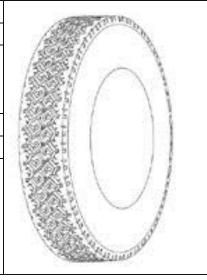
### PRIORITY NA

DESIGN NUMBER	264929
CLASS	12-15
1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, A FRENCH COMPANY OF 12 COURS SABLON, FR-63000, CLERMONT-FERRAND, FRANCE, AND MICHELIN RECHERCHE ET TECHNIQUE S.A., A SWISS COMPANY OF	

DATE OF REGISTRATION	21/08/2014
TITLE	TIRE TREAD

ROUTE LOUIS- BRAILLE 10 - CH-1763 GRANGES-PACCOT, SWITZERLAND

PRIORITY NUMBER	DATE	COUNTRY
29/485,809	24/03/2014	U.S.A.
	•	•



DESIGN NUMBER	265156	
CLASS	10-02	

# 1)MONTRES TUDOR S.A., A JOINT STOCK COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF SWITZERLAND

OF 3, RUE FRANCOIS DUSSAUD, 1211 GENEVE 26, SWITZERLAND

DATE OF REGISTRATION	26/08/2014	
TITLE	WATCH CASE WITH DIAL AND HANDS	

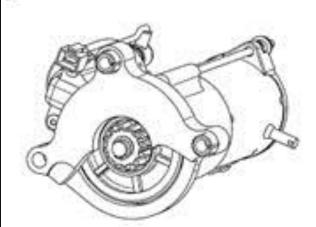


1101011			
PRIORITY NUMBER	DATE	COUNTRY	
140457	28/02/2014	SWITZERLAND	

DESIGN NUMBER	268802	
CLASS	12-16	

1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400 001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	12/01/2015	
TITLE	STARTER MOTOR OF A VEHICLE	



### PRIORITY NA

DESIGN NUMBER	266780	
CLASS	06-01	

### 1) STEELCASE INC., A CORPORATION INCORPORATED IN THE STATE OF MICHIGAN U.S.A., OF

901 44TH STREET, S.E., GRAND RAPIDS, MICHIGAN 49508 USA

DATE OF REGISTRATION	17/10/2014	
TITLE	CHAIR	

PRIORITY NUMBER	DATE	COUNTRY
29/493,705	12/06/2014	U.S.A.



DESIGN NUMBER	262121
CLASS	27-99

1)ALTRIA CLIENT SERVICES INC., A CORPORATION EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, USA OF

6601 WEST BROAD STREET, RICHMOND, VIRGINIA 23230, USA

DATE OF REGISTRATION	29/04/2014	
TITLE	MOUTHPIECE OF A SMOKING ARTICLE	



1			
L	PRIORITY NUMBER	DATE	COUNTRY
	29/471,338	30/10/2013	U.S.A.



DESIGN NUMBER	264679
CLASS	15-07

### 1)LG ELECTRONICS INC. OF

 $20,\,\mathrm{YEOUIDO\text{-}DONG},\,\mathrm{YEONGDEUNGPO\text{-}GU},\,\mathrm{SEOUL}$  150-  $721,\,\mathrm{REPUBLIC}$  OF KOREA.

DATE OF REGISTRATION	11/08/2014
TITLE	REFRIGERATOR DOOR



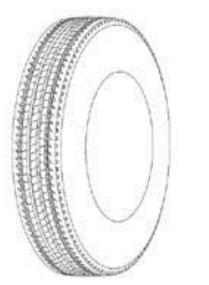
### PRIORITY NA

DESIGN NUMBER	264930
CLASS	12-15

1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, A FRENCH COMPANY OF 12 COURS SABLON, FR-63000, CLERMONT-FERRAND, FRANCE, AND MICHELIN RECHERCHE ET TECHNIQUE S.A., A SWISS COMPANY OF ROUTE LOUIS- BRAILLE 10 - CH-1763 GRANGES-PACCOT, SWITZERLAND

DATE OF REGISTRATION	21/08/2014
TITLE	TIRE TREAD

PRIORITY NUMBER	DATE	COUNTRY
29/485,137	17/03/2014	U.S.A.



DESIGN NUMBER	265780	
CLASS	07-01	
1)SANIMAR COMPANY LTD., HAVING THEIR OFFICE AT IKBAL CD., YATAY SK. NO. 13/19, UMRANIYE, ISTANBUL, TURKEY		
DATE OF REGISTRATION	<b>TRATION</b> 19/09/2014	
TITLE	WHISKY GLASS	



### PRIORITY NA

DESIGN NUMBER	265258
CLASS	07-02

1)POLYSET PLASTICS PVT. LTD., INDIAN COMPANY REGISTERED UNDER THE INDIAN COMPANIES ACT, 1956, WHOSE ADDRESS IS

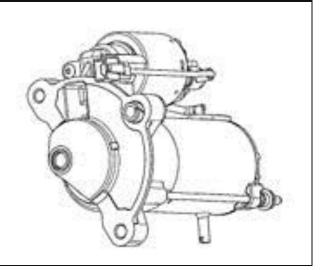
901-906, 9TH FLOOR, CELLO TRIUMUPH, I. B. PATEL ROAD, GOREGAON (EAST), MUMBAI-400 067, MAHARASHTRA, INDIA

DATE OF REGISTRATION	28/08/2014
TITLE	KITCHEN STORAGE CONTAINER



### PRIORITY NA

DESIGN NUMBER	268803	
CLASS	12-16	
1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400 001, MAHARASHTRA, INDIA		
DATE OF REGISTRATION	12/01/2015	
TITLE	STARTER MOTOR OF A VEHICLE	



DESIGN NUMBER	236385
CLASS	23-04

### 1)VARUN ENGINEERS

PLOT NO.77/9, PHASE-I, G.I.D.C. ESTATE, B/H. BANK OF BARODA, VATVA, AHMEDABAD-382445., GUJARAT, INDIA

DATE OF REGISTRATION	28/04/2011
TITLE	FRP COOLING TOWER



### PRIORITY NA

DESIGN NUMBER	255761
CLASS	09-04

## 1)M/S. WORLD KITCHEN PRODUCTS, AN INDIAN PARTNERSHIP FIRM, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT,

SURVEY NO. 116/16/1, BLOCK NO. 119, PLOT NO. B, VILLAGE:-PIPODARA, TALUKA:-MANGROL, DIST: SURAT, GUJARAT STATE, INDIA

DATE OF REGISTRATION	12/08/2013
TITLE	BASKET FOR KITCHEN



### PRIORITY NA

DESIGN NUMBER	265755
CLASS	12-15

## 1)FORTUNE GOLD ENTERPRISES LTD., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF REPUBLIC OF SEYCHELLES WHOSE ADDRESS IS

SUITE 13, FIRST FLOOR, OLIAJI TRADE CENTER, FRANCIS RACHEL STREET, VICTORIA, MAHE, REPUBLIC OF SEYCHELLES

DATE OF REGISTRATION	18/09/2014
TITLE	TYRE

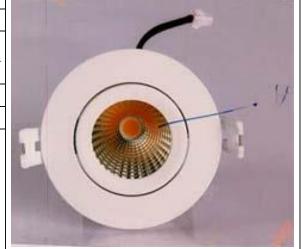


DESIGN NUMBER	265127
CLASS	26-03

# 1)M/S SHREE SANT KRIPA INTELLECTUAL,

HAVING ITS REGISTERED OFFICE AT 7, AKSHAY COMPLEX, OFF. DHOLE PATIL ROAD, PUNE-411001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	26/08/2014
TITLE	CEILING LIGHT FIXTURE



### PRIORITY NA

DESIGN NUMBER	268727
CLASS	23-04
1)MANN+HUMMEL GMBH, A COMPANY INCORPORATED IN GERMANY OF HINDENBURGSTRASSE 45, 71638 LUDWIGSBURG, GERMANY	
DATE OF REGISTRATION	08/01/2015

DATE OF REGISTRATION	08/01/2015
TITLE	AIR FILTER



DESIGN NUMBER	268497
CLASS	11-01

# 1)FURLA S.P.A.

VIA BELLARIA, 3-5, I-40068 SAN LAZZARO DI SAVENA (BOLOGNA) ITALY, NATIONALITY: ITALY

DATE OF REGISTRATION	30/12/2014
TITLE	JEWELLERY

PRIORITY NUMBER	DATE	COUNTRY
002507186-0003	22/07/2014	OHIM



DESIGN NUMBER	262782
CLASS	24-02

# 1)KIMBERLY-CLARK WORLDWIDE, INC., A CORPORATION OF THE STATE OF DELAWARE, USA, OF

2300 WINCHESTER ROAD, NEENAH, WISCONSIN 54956, USA

DATE OF REGISTRATION	21/05/2014
TITLE	BASE FOR ENTERAL FEEDING DEVICE



PRIORITY NUMBER	DATE	COUNTRY
29/473,665	25/11/2013	U.S.A.

DESIGN NUMBER	264681
CLASS	15-07

### 1)LG ELECTRONICS INC. OF

20, YEOUIDO-DONG, YEONGDEUNGPO-GU, SEOUL 150-721, REPUBLIC OF KOREA.

DATE OF REGISTRATION	11/08/2014
TITLE	REFRIGERATOR DOOR UPPER COVER

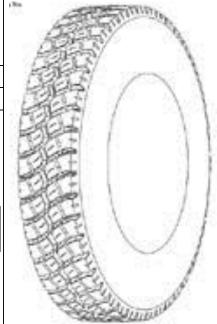


## PRIORITY NA

DESIGN NUMBER	264931
CLASS	12-15

1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, A FRENCH COMPANY OF 12 COURS SABLON, FR-63000, CLERMONT-FERRAND, FRANCE, AND MICHELIN RECHERCHE ET TECHNIQUE S.A., A SWISS COMPANY OF ROUTE LOUIS- BRAILLE 10 - CH-1763 GRANGES-PACCOT, SWITZERLAND

DATE OF REGISTRATION	21/08/2014
TITLE	TIRE TREAD



PRIORITY NUMBER	DATE	COUNTRY
29/485,813	24/03/2014	U.S.A.

DESIGN NUMBER	265259
CLASS	07-02

# 1)POLYSET PLASTICS PVT. LTD., INDIAN COMPANY REGISTERED UNDER THE INDIAN COMPANIES ACT, 1956, WHOSE ADDRESS IS

901-906, 9TH FLOOR, CELLO TRIUMUPH, I. B. PATEL ROAD, GOREGAON (EAST), MUMBAI-400 067, MAHARASHTRA, INDIA

DATE OF REGISTRATION	28/08/2014
TITLE	JUICER

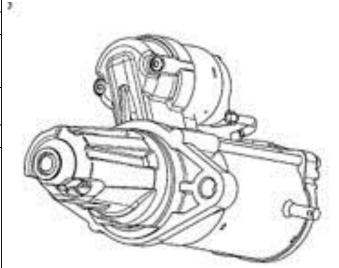


## PRIORITY NA

DESIGN NUMBER	268804
CLASS	12-16
1)TATA MOTODOLIMITED AN INDIAN COMPANY OF	

1)TATA MOTORS LIMITED, AN INDIAN COMPANY OF BOMBAY HOUSE, 24 HOMI MODY STREET, HUTATMA CHOWK, MUMBAI 400 001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	12/01/2015
TITLE	STARTER MOTOR OF A VEHICLE



# PRIORITY NA

DESIGN NUMBER	266132
CLASS	09-01

#### 1)PEARL POLYMERS LIMITED

OF A-97/2, OKHLA INDUSTRIAL AREA, PHASE 2, NEW DELHI-110020, INDIA, A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956, OF THE ABOVE ADDRESS

DATE OF REGISTRATION	26/09/2014
TITLE	BOTTLE



DESIGN NUMBER	236386
CLASS	23-04

## 1)VARUN ENGINEERS

PLOT NO.77/9, PHASE-I, G.I.D.C. ESTATE, B/H. BANK OF BARODA, VATVA, AHMEDABAD-382445., GUJARAT, INDIA

DATE OF REGISTRATION	28/04/2011
TITLE	FRP COOLING TOWER



### PRIORITY NA

DESIGN NUMBER	255762
CLASS	09-04

# 1)M/S. WORLD KITCHEN PRODUCTS, AN INDIAN PARTNERSHIP FIRM, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT,

SURVEY NO. 116/16/1, BLOCK NO. 119, PLOT NO. B, VILLAGE:-PIPODARA, TALUKA:-MANGROL, DIST: SURAT, GUJARAT STATE, INDIA

DATE OF REGISTRATION	12/08/2013
TITLE	BASKET FOR KITCHEN

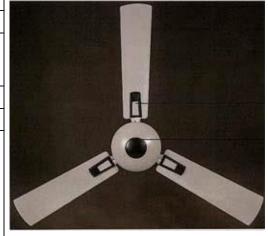


# PRIORITY NA

1)KHAITAN (INDIA) I IMITED AN INDIAN COMPANY OF			
CLASS	23-04		
DESIGN NUMBER	264887		

1)KHAITAN (INDIA) LIMITED, AN INDIAN COMPANY OF 46C, JAWAHAR LAL NEHRU ROAD, KOLKATA 700 071, WEST BENGAL, INDIA.

DATE OF REGISTRATION	20/08/2014	
TITLE	CEILING FAN	



DESIGN NUMBER		268498	
CLASS	11-01		
1)FURLA S.P.A. VIA BELLARIA, 3-5, I-40068 SAN NATIONALITY: ITALY	I LAZZARO DI SAVE	NA (BOLOGNA) ITALY	
DATE OF REGISTRATION	30	0/12/2014	
TITLE	JEV	WELLERY	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
002507186-0005	22/07/2014	OHIM	
DESIGN NUMBER		262800	
CLASS		08-07	
AT 39/1 MARIAPPA KONAR STREET ROAD, PODANUR, COIMBATORE-6  DATE OF REGISTRATION	41023, TAMIL NADU		
TITLE	DOOR LATCH		)
PRIORITY NA			DEDCARCOTTOR
DESIGN NUMBER		255763	
CLASS	09-04		WATER TO SHOW
1)M/S. WORLD KITCHEN PRODU HAVING ITS PRINCIPAL PLACE O SURVEY NO. 116/16/1, BLOCK N TALUKA:-MANGROL, DIST: SURAT	<b>OF BUSINESS AT,</b> O. 119, PLOT NO. B, V	VILLAGE:-PIPODARA,	
DATE OF REGISTRATION	12/08/2013		
TITLE	BASKET FOR KITCHEN		
PRIORITY NA			

DESIGN NUMBER	264908			
CLASS	24-02			
1)KARL STORZ GMBH & CO. KG, A GERMAN COMPANY OF MITTELSTRASSE 8, D-78532 TUTTLINGEN, GERMANY				
DATE OF REGISTRATION	20/08/2014			
TITLE	FIBER OPTIC LIGHT CABLE FOR ENDOSCOPIC USE			
PRIORITY				
PRIORITY NUMBER	DATE COUNTRY			



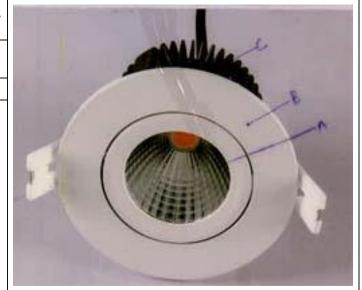
DESIGN NUMBER	265130
CLASS	26-03

20/02/2014

OHIM

# 1)M/S SHREE SANT KRIPA INTELLECTUAL, HAVING OFFICE AT 7, AKSHAY COMPLEX, OFF. DHOLE PATIL ROAD, PUNE-411001, MAHARASHTRA, INDIA,

DATE OF REGISTRATION	26/08/2014
TITLE	CEILING LIGHT FIXTURE



## PRIORITY NA

002408807-0001

DESIGN NUMBER	265362	
CLASS	13-03	
1)M/C A LAV INDUCTDIEC A COLE DDODDIETODCHID		

# 1)M/S AJAY INDUSTRIES, A SOLE PROPRIETORSHIP CONCERN, SITUATED AT

RAMAVARRAPADU, RING ROAD, VIJAYAWADA, ANDHRA PRADESH, INDIA, AN INDIAN NATIONAL

DATE OF REGISTRATION	02/09/2014
TITLE	CLIP FOR ELECTRICAL BOX



DESIGN NUMBER	268499	
CLASS	11-01	

### 1)FURLA S.P.A.

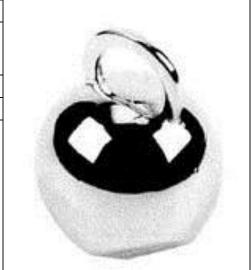
VIA BELLARIA, 3-5, I-40068 SAN LAZZARO DI SAVENA (BOLOGNA)

ITALY, NATIONALITY: ITALY

DATE OF REGISTRATION	30/12/2014	
TITLE	JEWELLERY	



PRIORITY NUMBER	DATE	COUNTRY	
002507186-0006	22/07/2014	OHIM	

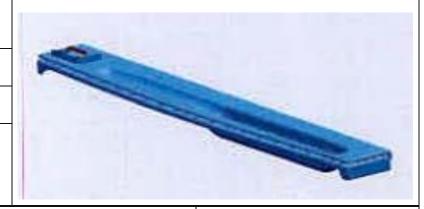


DESIGN NUMBER	264682
CLASS	15-07

# 1)LG ELECTRONICS INC. OF

20, YEOUIDO-DONG, YEONGDEUNGPO-GU, SEOUL 150-721, REPUBLIC OF KOREA.

DATE OF REGISTRATION	11/08/2014
TITLE	FREEZER DOOR LOWER COVER



# PRIORITY NA

DESIGN NUMBER	264934
CLASS	12-15

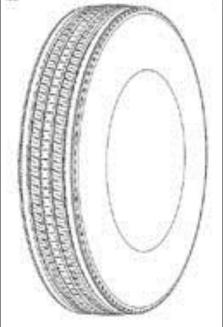
1)COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN, A FRENCH COMPANY OF 12 COURS SABLON, FR-63000, CLERMONT-FERRAND, FRANCE, AND MICHELIN RECHERCHE ET TECHNIQUE S.A., A SWISS COMPANY OF

ROUTE LOUIS- BRAILLE 10 - CH-1763 GRANGES-PACCOT, SWITZERLAND

DATE OF REGISTRATION	21/08/2014
TITLE	TIRE TREAD



PRIORITY NUMBER	DATE	COUNTRY
29/485,138	17/03/2014	U.S.A.

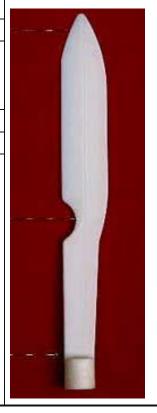


DESIGN NUMBER	265789
CLASS	07-07

# 1)LUKMAN ADAM BADHRA (AN INDIAN NATIONAL) PROPRIETOR OF DESIGNER PLASTICS AN INDIAN PROPRIETORSHIP FIRM OF

GALA NO. 20A, RAMJI PATEL COMPOUND, BEHIND BOMBAY HARDWARE, R.S. MARG, PATHANWADI, MALAD (E) MUMBAI-400097, MAHARASHTRA, INDIA.

DATE OF REGISTRATION	22/09/2014
TITLE	SPATULA



### PRIORITY NA

DESIGN NUMBER	265159
CLASS	10-07

# 1)MONTRES TUDOR S.A., A JOINT STOCK COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF SWITZERLAND,

OF 3, RUE FRANCOIS DUSSAUD, 1211 GENEVE 26, SWITZERLAND

DATE OF REGISTRATION	26/08/2014
TITLE	WATCH CASE WITH BRACELET



	I	
PRIORITY NUMBER	DATE	COUNTRY
140457	28/02/2014	SWITZERLAND



DESIGN NUMBER	265260
CLASS	07-02

# 1)POLYSET PLASTICS PVT. LTD., INDIAN COMPANY REGISTERED UNDER THE INDIAN COMPANIES ACT, 1956, WHOSE ADDRESS IS

901-906, 9TH FLOOR, CELLO TRIUMUPH, I. B. PATEL ROAD, GOREGAON (EAST), MUMBAI-400 067, MAHARASHTRA, INDIA

DATE OF REGISTRATION	28/08/2014
TITLE	LUNCH BOX
PRIORITY NA	

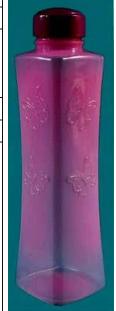


DESIGN NUMBER	266133
CLASS	09-01

### 1)PEARL POLYMERS LIMITED

OF A-97/2, OKHLA INDUSTRIAL AREA, PHASE 2, NEW DELHI-110020, INDIA, A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956, OF THE ABOVE ADDRESS

DATE OF REGISTRATION	26/09/2014
TITLE	BOTTLE



### PRIORITY NA

DESIGN NUMBER	264684
CLASS	25-01

# 1)SHRI SHARMA STEEL TECH (INDIA) PVT. LTD., HAVING ITS ADDRESS AT

KHASRA NO. 245-265, VILLAGE-BAWARI, SARNA DUNGAR INDUSTRIAL AREA, BENAD ROAD, JHOTWARA, JAIPUR (RAJASTHAN), AND BY NATIONALITY INDIAN

DATE OF REGISTRATION	11/08/2014
TITLE	TMT BAR



### PRIORITY NA

DESIGN NUMBER	265696
CLASS	24-02

# 1)DIRECTOR GENERAL, DEFENCE RESEARCH AND DEVELOPMENT ORGANIZATION, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA,

ROOM NO. 348, B-WING, DRDO BHAVAN, RAJAJI MARG, NEW DELHI-110011, INDIA; NATIONALITY: INDIAN

DATE OF REGISTRATION	15/09/2014	
TITLE	REMOTE PHYSIOLOGICAL MONITORING BELT	



DESIGN NUMBER	265261
CLASS	07-02

# 1)POLYSET PLASTICS PVT. LTD., INDIAN COMPANY REGISTERED UNDER THE INDIAN COMPANIES ACT, 1956, WHOSE ADDRESS IS

901-906, 9TH FLOOR, CELLO TRIUMUPH, I. B. PATEL ROAD, GOREGAON (EAST), MUMBAI-400 067, MAHARASHTRA, INDIA

TITLE BOTTLE	



### PRIORITY NA

DESIGN NUMBER 218806		
<b>CLASS</b> 26-05		
1)SCHREDER S. A., RUE DE LUSAMBO, 67, B. 1190 BRUXLLES, BELGIUM, A BELGIAN COMPANY		
DATE OF REGISTRATION 01/04/2008		
TITLE	LIGHTING APPARATUS	



#### PRIORITY

П	IMOMII		
	PRIORITY NUMBER	DATE	COUNTRY
	000906680-0001	01/04/2008	OHIM

DESIGN NUMBER	266134
CLASS	09-01

### 1)PEARL POLYMERS LIMITED

OF A-97/2, OKHLA INDUSTRIAL AREA, PHASE 2, NEW DELHI-110020, INDIA, A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956, OF THE ABOVE ADDRESS

DATE OF REGISTRATION	26/09/2014
TITLE	BOTTLE



DESIGN NUMBER	264688
CLASS	23-04

# 1)OM PRAKASH SHARMA, PROPRIETOR OF KRISHNA FIBER INDUSTRIES HAVING ITS ADDRESS AT

H-27, RIICO INDUSTRIAL AREA, SARDAR SHAHAR, DISTT. CHURU (RAJASTHAN) AND BY NATIONALITY INDIAN

DATE OF REGISTRATION	11/08/2014
TITLE	COOLER



### PRIORITY NA

DESIGN NUMBER	264947
CLASS	15-05
1)LG ELECTRONICS II 20, YEOUIDO-DONG, 721, REPUBLIC OF KORE	YEONGDEUNGPO-GU, SEOUL 150-
DATE OF REGISTRATION	21/08/2014
TITLE	TOP COVER ASSEMBLY OF



### PRIORITY NA

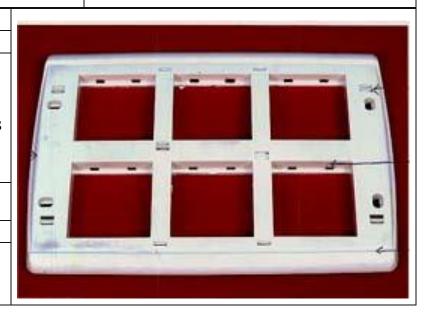
DESIGN NUMBER	265265
CLASS	13-03

# 1)VIMAL KUMAR H. JAIN (AN INDIAN NATIONAL) PROPRIETOR OF M/S. OSWAL INDUSTRIES AN INDIAN PROPRIETORSHIP FIRM AT

D-3, ANANDI INDUSTRIAL ESTATE, B-P CROSS ROAD, ROAD NO-1, BHAYANDAR (E), THANE-401105, MAHARASHTRA, WITHIN THE UNION OF INDIA.

DATE OF REGISTRATION	28/08/2014
TITLE	SWITCH PLATE





DESIGN NUMBER	266686
CLASS	09-07

1)M/S MASTERWARE PLAST PVT. LTD, A COMPANY INCORPORATED UNDER INDIAN COMPANIES ACT, 1956 HAVING ITS REGISTERED OFFICE ADDRESS AT

39/1/2/2 NR. PRASWANATH ESTATE, C.T.M. CROSS ROAD AMRAIWADI, AHMEDABAD-380026, INDIA BY NATIONALITY INDIAN

DATE OF REGISTRATION	13/10/2014
TITLE	BOTTLE CAP



## PRIORITY NA

DESIGN NUMBER	255759
CLASS	09-04

1)M/S. WORLD KITCHEN PRODUCTS, AN INDIAN PARTNERSHIP FIRM, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT,

SURVEY NO. 116/16/1, BLOCK NO. 119, PLOT NO. B, VILLAGE:-PIPODARA, TALUKA:-MANGROL, DIST: SURAT, GUJARAT STATE, INDIA

DATE OF REGISTRATION	12/08/2013
TITLE	BASKET FOR KITCHEN



### PRIORITY NA

DESIGN NUMBER	264870
CLASS	12-16

1)JCB INDIA LIMITED, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT B-1/1-1, 2ND FLOOR, MOHAN CO-OPERATIVE INDUSTRIAL ESTATE, MATHURA ROAD, NEW DELHI, INDIA

AND WORKS AT 23/7, MATHURA ROAD, BALLABGARH, HARYANA, INDIA.

DATE OF REGISTRATION	19/08/2014
TITLE	LAP BAR OF THE SKID STEER LOADER MACHINE



DESIGN NUMBER	265125
CLASS	26-05

# 1)M/S SHREE SANT KRIPA INTELLECTUAL,

HAVING OFFICE AT 7, AKSHAY COMPLEX, OFF. DHOLE PATIL ROAD, PUNE-411001, MAHARASHTRA, INDIA, AN INDIAN.

DATE OF REGISTRATION	26/08/2014
TITLE	CEILING LIGHT FIXTURE



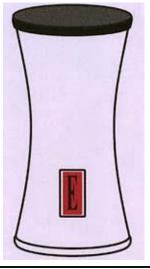
# PRIORITY NA

DESIGN NUMBER	262513
CLASS	09-01

# 1)VIRMINA TRADING LIMITED, A COMPANY DULY ORGANIZED AND EXISTING UNDER THE LAWS OF CYPRUS OF

MICHAIL KOUTSOFTA, 3, P.C. 3031, LIMASSOL, CYPRUS

DATE OF REGISTRATION	09/05/2014
TITLE	JAR



# PRIORITY NA

DESIGN NUMBER	200323
CLASS	11-01
1)MRS. PUNITA TRRIKHA S-69, GREATER KAILASH 1, NEW DELHI 110048, INDIA	
DATE OF REGISTRATION	11/07/2005
TITLE	NECKLACE AND EARRINGS SET



DESIGN NUMBER	264191
CLASS	24-01

1)"MADHUKAR GHOKHALE" AN INDIAN NATIONAL TRADING IN THE NAME AND STYLE OF MANMAN MANUFACTURING COMPANY PVT. LTD. (A CORPORATE ENTITY INCORPORATED IN INDIA UNDER THE COMPANIES ACT, 1956) WHOSE ADDRESS IS

"1157, SADASHIV PETH, OPP. BHAVE SCHOOL, PERUGATE, PUNE-411030"

DATE OF REGISTRATION	22/07/2014
TITLE	RECIPROCATING SAW TOOL FOR ORTHOPEDIC SURGERY



## PRIORITY NA

DESIGN NUMBER	265167
CLASS	07-01

# 1)MUKESH BORANA AN INDIAN PROPRIETOR FIRM AT MANAN POLYMER, GALA NO. 109,

MADHURAM INDUSTRIAL ESTATE, VAITY COMPOUND, BEHIND VISHWA HOTEL, SATVALI ROAD, VASAI (EAST), DIST. THANE. (MAHARASHTRA) INDIA OF ABOVE ADDRESS

DATE OF REGISTRATION	27/08/2014
TITLE	PRESERVE JAR



### PRIORITY NA

DESIGN NUMBER	266687
CLASS	09-01

1)M/S MASTERWARE PLAST PVT. LTD, A COMPANY INCORPORATED UNDER INDIAN COMPANIES ACT, 1956 HAVING ITS REGISTERED OFFICE ADDRESS AT

39/1/2/2 NR. PRASWANATH ESTATE, C.T.M. CROSS ROAD AMRAIWADI, AHMEDABAD-380026, INDIA BY NATIONALITY INDIAN

DATE OF REGISTRATION	13/10/2014
TITLE	BOTTLE WITH CAP

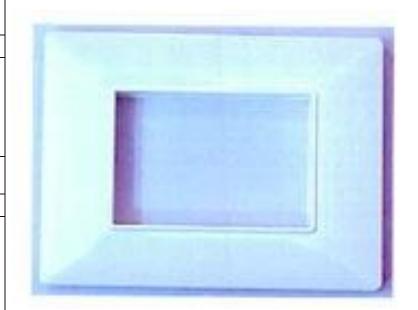


DESIGN NUMBER	260746
CLASS	13-03

# 1)M/S GM MODULAR PVT. LTD., (A COMPANY INCORPORATED UNDER INDIAN COMPANIES ACT),

14/15, BOKADIA IND. ESTATE, SATIVALI ROAD, VASAI (EAST)-401208, DISTRICT-THANE, MAHARASHTRA (INDIA)

DATE OF REGISTRATION	03/03/2014
TITLE	SWITCH PLATE



# PRIORITY NA

DESIGN NUMBER	200770
CLASS	23-02

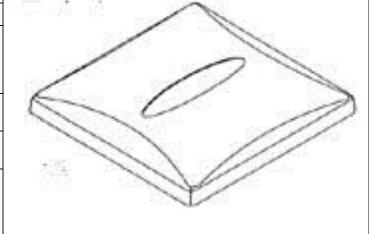
### 1)KOHLER CHINA INVESTMENT LTD.,

A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF CHINA LOCATED AT 19/F, 138 ILUAIHAI ROAD, SHANGAL 200021, P.R. CHINA

DATE OF REGISTRATION	14/02/2005
TITLE	COVER FOR TOILET CONTROL BOX
DDIODITY	·

# PRIORITY

PRIORITY NUMBER	DATE	COUNTRY
29/223, 412	14/02/2005	U.S.A.



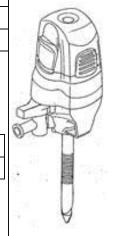
DESIGN NUMBER	200359
CLASS	24-02

### 1)ETHICON ENDO-SURGERY, INC.,

4545 CREEK ROAD, CINCINNATI, OH, INCORPORATED UNDER THE STATE OF OHIO, U.S.A

DATE OF REGISTRATION	08/02/2005
TITLE	TROCAR

PRIORITY NUMBER	DATE	COUNTRY
29/222994	08/02/2005	U.S.A.

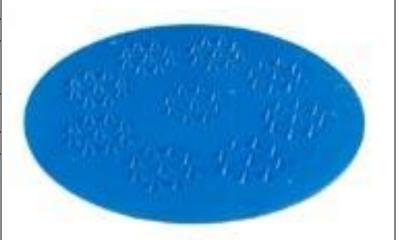


DESIGN NUMBER	239800
CLASS	99-00

## 1) JEEVAN URJA UTTHAN KENDRA

S-1/A, 1ST FLOOR, ARJUN NAGAR, SAFDARJUNG ENCLAVE, NEW DELHI-110029, INDIA

DATE OF REGISTRATION	26/09/2011
TITLE	PYRAMID BLOCK



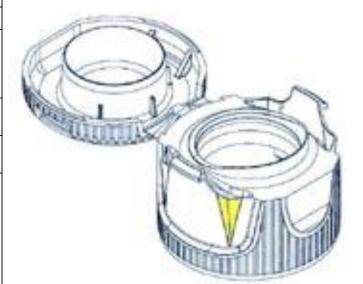
### PRIORITY NA

DESIGN NUMBER	265174
CLASS	09-07

# 1)OBRIST CLOSURES SWITZERLAND GMBH, A SWISS CORPORATION,

ROMERSTRASSE 83, CH-4153, REINACH, SWITZERLAND

DATE OF REGISTRATION	27/08/2014
TITLE	A CLOSURE FOR BOTTLE OR CONTAINER



### **PRIORITY**

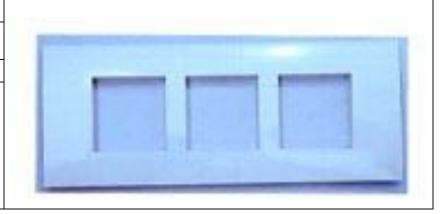
PRIORITY NUMBER	DATE	COUNTRY
001 407 290-0002	25/03/2014	OHIM

DESIGN NUMBER	260749
CLASS	13-03

# 1)M/S GM MODULAR PVT. LTD., (A COMPANY INCORPORATED UNDER INDIAN COMPANIES ACT),

14/15, BOKADIA IND. ESTATE, SATIVALI ROAD, VASAI (EAST)-401208, DISTRICT-THANE, MAHARASHTRA (INDIA)

DATE OF REGISTRATION	03/03/2014
TITLE	SWITCH PLATE



DESIGN NUMBER	264738
CLASS	13-03

# 1)GOLD MEDAL ELECTRICALS PVT. LTD. A COMPANY REGISTERED UNDER COMPANY ACT 1956 OF,

22/23 SHUBH BUILDING, SAGAR MANTHAN INDUSTRIAL COMPLEX, BHOIDAPADA, VASAI (E), THANE - 401208, MAHARASHTRA, INDIA

DATE OF REGISTRATION	13/08/2014
TITLE	MODULAR SWITCH PLATE



### PRIORITY NA

DESIGN NUMBER	200786
CLASS	04-02
1)GLAXOXMITHKLINE CONSUMER HEALTHCARE GMBH & CO. KG.,	

### 1)GLAXOXMITHKLINE CONSUMER HEALTHCARE GMBH & CO. KG., BUSSMATTEN 1, D-77815 BUEHL (BADEN), GERMANY

DATE OF REGISTRATION	21/02/2005
TITLE	TONGUE SCRAPER

# **PRIORITY**

PRIORITY NA

PRIORITY NUMBER	DATE	COUNTRY
GB 3020399	21/02/2005	U.K.



DESIGN NUMBER	264956
CLASS	15-05
CLASS	15-05

## 1)LG ELECTRONICS INC. OF

20, YEOUIDO-DONG, YEONGDEUNGPO-GU, SEOUL 150-721, REPUBLIC OF KOREA.

DATE OF REGISTRATION	21/08/2014
TITLE	REAR PANEL ASSEMBLY OF WASHING MACHINE



DESIGN NUMBER	265181
CLASS	21-02

1)MAJESTIC RUBBER INDUSTRIES, D-20, SITE-IV, SAHIBABAD INDUSTRIAL AREA, DISTT.- GHAZIABAD, U.P., INDIA, AN INDIAN PARTNERSHIP FIRM,

WHOSE PARTNERS ARE:- SH. SANJEEV SIKKA, SH. MAN MOHAN MAGON, SH. ARJUN MAGON, SH. RAGHAV MAGON AND SH. VARUN SIKKA, AN INDIAN NATIONAL OF ABOVE ADDRES

DATE OF REGISTRATION	27/08/2014
TITLE	HANDLE GRIP FOR CRICKET BAT



# PRIORITY NA

DESIGN NUMBER	265269
CLASS	15-07

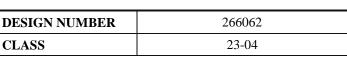
1)FRIGOGLASS S.A.I.C. COMMERCIAL REFRIGERATORS, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF GREECE, OF A. METAXA 15, ATHENS 14564, GREECE

,	
DATE OF REGISTRATION	29/08/2014
TITLE	COMMERCIAL REFRIGERATOR



# PRIORITY

- 1	1101011		
	PRIORITY NUMBER	DATE	COUNTRY
	20140600029	02/04/2014	GREECE

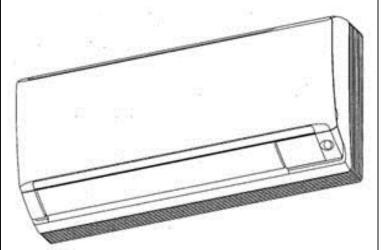


# 1)DAIKIN INDUSTRIES LTD., A JAPANESE COMPANY OF THE ADDRESS:

UMEDA CENTER BUILDING, 4-12 NAKAZAKI-NISHI 2-CHOME, KITA-KU, OSAKA-SHI, OSAKA-FU, JAPAN

DATE OF REGISTRATION	26/09/2014	
TITLE	AIR CONDITIONER	





DESIGN NUMBER		260750		
CLASS		13-03		
1)M/S GM MODULA INCORPORATED UNI 14/15, BOKADIA IN VASAI (EAST)-401208, MAHARASHTRA (INDI	<b>DER INDIAN</b> D. ESTATE, S DISTRICT-TH	COMPANIES ACT), ATIVALI ROAD,		====
DATE OF REGISTRATION		03/03/2014		
TITLE	SW	/ITCH PLATE	Service Control of the least of	
PRIORITY NA				12.00011070
DESIGN NUMBER 20		54739		
CLASS		1	3-03	
1)GOLD MEDAL ELECTRICALS PVT. LTD. A COMPAR UNDER COMPANY ACT 1956 OF, 22/23 SHUBH BUILDING, SAGAR MANTHAN INDUSTR BHOIDAPADA, VASAI (E), THANE - 401208, MAHARASHT		IAL COMPLEX,		
DATE OF REGISTRATION		13/0	08/2014	**
TITLE		MODULAR SWITCH PLATE		
PRIORITY NA				
DESIGN NUMBER 264		54977		
CLASS 1		3-03	4	
1)MR. MANGILAL JA WHOSE ADDRESS IS 23/2, MAHARANI RO	ŕ	E-452 007 [M.P.]	ELECTRIC STORES	1000
DATE OF REGISTRATION 22/0		08/2014	0	
TITLE		FAN BOX	[APPARATUS]	

DESIGN NUMBER		215939	
CLASS	13-03		
1)MAMTA PLASTICS., F-221, UDYOG VIHAR INDUSTRI ULHASNAGAR 421003, DIST. THAN			N,
DATE OF REGISTRATION	21	1/04/2008	
TITLE	EXTENSI	ION CORD BOX	
PRIORITY NA			
DESIGN NUMBER		265270	
CLASS		12-15	
1)CONTINENTAL REIFEN DEUTS UNDER THE LAWS OF GERMANY VAHRENWALDER STR. 9, 30165	OF		ZED
DATE OF REGISTRATION	29/08/2014		
TITLE	TYRE		
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	Miles
36128 04/03/2014		WIPO	
DESIGN NUMBER	264740		
CLASS	13-03		The second second
1)GOLD MEDAL ELECTRICALS UNDER COMPANY ACT 1956 OF, 22/23 SHUBH BUILDING, SAGAR BHOIDAPADA, VASAI (E), THANE -	MANTHAN INDUST	TRIAL COMPLEX,	
DATE OF REGISTRATION	13/08/2014		
TITLE	MODULAR SWITCH PLATE		
PRIORITY NA			

	T	2<5271	I
DESIGN NUMBER	265271		-
CLASS		12-15	
1)CONTINENTAL REIFEN DEUT UNDER THE LAWS OF GERMAN VAHRENWALDER STR. 9, 30165	YOF		
DATE OF REGISTRATION	29	9/08/2014	
TITLE		TYRE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
36133	04/03/2014	WIPO	
DESIGN NUMBER		264821	
CLASS		09-03	
MARKETING AGENCIES, AT NO. S-73, 1ST FLOOR, GCDA SH ERNAKULAM, COCHIN-682031, KE ADDRESS	RALA, INDIA, INDIA	N-NATIONAL OF ABOVE	
DATE OF REGISTRATION	18/08/2014		
TLE BOX			
PRIORITY NA			
DESIGN NUMBER	265559		
CLASS	01-01		
1)BRITANNIA INDUSTRIES LIM 5/1A, HUNGERFORD STREET, K INDIAN COMPANY			and the same
DATE OF REGISTRATION	09/09/2014		
TITLE	BISCUIT		
PRIORITY NA			

DESIGN NUMBER	265272
CLASS	12-15

# 1)CONTINENTAL REIFEN DEUTSCHLAND GMBH, A COMPANY ORGANIZED UNDER THE LAWS OF GERMANY OF

VAHRENWALDER STR. 9, 30165 HANNOVER, GERMANY

DATE OF REGISTRATION	29/08/2014
TITLE	TYRE



PRIORITY NUMBER	DATE	COUNTRY
36129	04/03/2014	WIPO



<b>CLASS</b> 12-16	

# 1)R. N. GUPTA & COMPANY LIMITED, (AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956), HAVING ITS OFFICE AT

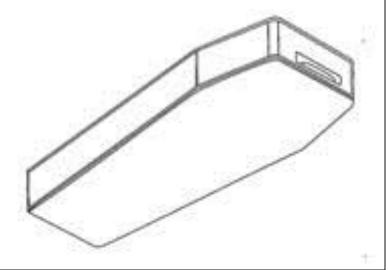
UNIT-II, GT ROAD, TEHSIL PAYAL, DORAHA-141421

DATE OF REGISTRATION	17/06/2014
TITLE	FRONT ASSEMBLY OF CRANE



DESIGN NUMBER	256392	
CLASS	99-00	
1)RORY ALLEN CAYLOR, 52 HOOPER CRESCENT, TEWANTIN QUEENSLAND 4565, (AUSTRALIA)		
DATE OF REGISTRATION	13/09/2013	
TITLE	COFFIN	



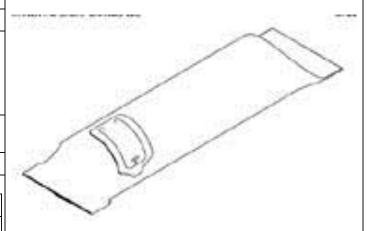


DESIGN NUMBER	265472
CLASS	09-03

# 1)INTERCONTINENTAL GREAT BRANDS LLC, A COMPANY INCORPORATED IN THE STATE OF DELAWARE, USA, OF

100 DEFOREST AVENUE, EAST HANOVER, NEW JERSEY 07936, UNITED STATES OF AMERICA

DATE OF REGISTRATION	05	5/09/2014
TITLE	PA	ACKAGE
PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY
29/484.070	05/03/2014	4 U.S.A.



DESIGN NUMBE	R	265273
CLASS		12-15

# 1)CONTINENTAL REIFEN DEUTSCHLAND GMBH, A COMPANY ORGANIZED UNDER THE LAWS OF GERMANY OF

VAHRENWALDER STR. 9, 30165 HANNOVER, GERMANY

DATE OF REGISTRATION	29/08/2014
TITLE	TYRE



### **PRIORITY**

PRIORITY NUMBER	DATE	COUNTRY
36124	04/03/2014	WIPO

DESIGN NUMBER	266648
CLASS	02-02

### 1)RAMSON EXPORTS (INDIA)

808, STREET NO. 2, SHANKER LANE, GURU VIHAR, RAHON ROAD, LUDHIANA-141 007 (PUNJAB) INDIA

DATE OF REGISTRATION	10/10/2014	
TITLE	LADIES TOP	



DESIGN NUMBER	206720
CLASS	17-04

## 1)S. GOPAKUMAR

PLOT NO. 15, 9TH CROSS, KUMARAN NAGAR LAWSPET, PONDICHERRY-605008 AN INDIAN NATIONAL

DATE OF REGISTRATION	26/09/2006
TITLE	PERCUSSION INSTRUMENT



# PRIORITY NA

DESIGN NUMBER	263241
CLASS	03-01

### 1)1) URBANZAA,

203/205, 86/1, MINT PLAZA, VARTHUR HOBLI, BELLANDUR VILLAGE, BENGALURU-560103, AN INDIAN NATIONAL

DATE OF REGISTRATION	11/06/2014
TITLE	PURSE



# PRIORITY NA

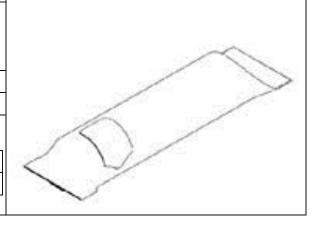
DESIGN NUMBER	265476
CLASS	09-03

# 1)INTERCONTINENTAL GREAT BRANDS LLC, A COMPANY INCORPORATED IN THE STATE OF DELAWARE, USA, OF

100 DEFOREST AVENUE, EAST HANOVER, NEW JERSEY 07936, UNITED STATES OF AMERICA

DATE OF REGISTRATION	05/09/2014
TITLE	PACKAGE

PRIORITY NUMBER	DATE	COUNTRY
29/484,070	05/03/2014	U.S.A.
· · · · · · · · · · · · · · · · · · ·		



DESIGN NUMBER	264858
CLASS	12-16

1)JCB INDIA LIMITED, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT B-1/1-1, 2ND FLOOR, MOHAN CO-OPERATIVE INDUSTRIAL ESTATE, MATHURA ROAD, NEW DELHI, INDIA

AND WORKS AT 23/7, MATHURA ROAD, BALLABGARH, HARYANA, INDIA.

DATE OF REGISTRATION	19/08/2014
TITLE	JOYSTICK (LEFT SIDE) OF THE SKID STEER LOADER MACHINE



## PRIORITY NA

DESIGN NUMBER	265111
CLASS	26-03
1)M/S SHREE SANT KRIPA INTELLECTUAL,	

HAVING OFFICE AT 7, AKSHAY COMPLEX, OFF. DHOLE PATIL ROAD, PUNE-411001, MAHARASHTRA, INDIA,

DATE OF REGISTRATION	26/08/2014
TITLE	LIGHTING FIXTURES FOR LAMPS



### PRIORITY NA

DESIGN NUMBER	265283
CLASS	10-01

1)MUKUL GOYAL OF DESIGNWISE INDIA PVT. LTD., AN INDIAN NATIONAL, REGISTERED OFFICE-

C-34, NEETI BAGH, NEW DELHI-110049, INDIA

DATE OF REGISTRATION	01/09/2014
TITLE	WALL CLOCK



DESIGN NUMBER	266954
CLASS	03-01

# 1)URMIWEAVE LLP, AN INDIAN LIMITED LIABILITY PARTNERSHIP FIRM OF

244 ATD STREET, RACE COURSE, COIMBATORE 641018, STATE OF TAMIL NADU, INDIA

DATE OF REGISTRATION	28/10/2014
TITLE	HANDBAG
DDIODYEV NA	



## PRIORITY NA

DESIGN NUMBER	266652
CLASS	02-02

# 1)RAMSON EXPORTS (INDIA)

808, STREET NO. 2, SHANKER LANE, GURU VIHAR, RAHON ROAD, LUDHIANA-141 007 (PUNJAB) INDIA

DATE OF REGISTRATION	10/10/2014
TITLE	BABY DRESS



# PRIORITY NA

DESIGN NUMBER	237929
CLASS	19-99

# 1)M/S ESUCOMP SOLUTIONS LIMITED

1211 PADMA TOWER-1, 5 RAJENDRA PLACE NEW DELHI-110008.

DATE OF REGISTRATION	08/07/2011
TITLE	DIGITAL TEACHING SYSTEM

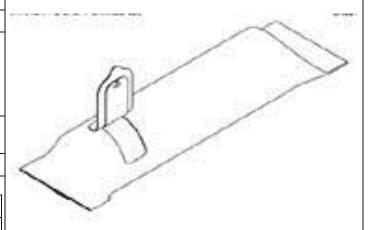


DESIGN NUMBER	265473
CLASS	09-03

# 1)INTERCONTINENTAL GREAT BRANDS LLC, A COMPANY INCORPORATED IN THE STATE OF DELAWARE, USA, OF

100 DEFOREST AVENUE, EAST HANOVER, NEW JERSEY 07936, UNITED STATES OF AMERICA

DATE OF REGISTRATION	05/09	9/2014
TITLE	PAC	KAGE
PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY



DESIGN NUMBER 265568	
<b>CLASS</b> 31-00	

U.S.A.

05/03/2014

# 1)MR. HASMUKH M. JAIN INDIAN NATIONAL, TRADING AS M/S. BHAIRAV PLASTIC CARRYING ON BUSINESS ADDRESS AT

1/8, RAMDAS PADHYE BUILDING, S. K. BOLE ROAD, DADAR-WEST, MUMBAI-400028, MAHARASHTRA, INDIA

DATE OF REGISTRATION	10/09/2014
TITLE	BASE OF MIXER



### PRIORITY NA

29/484,070

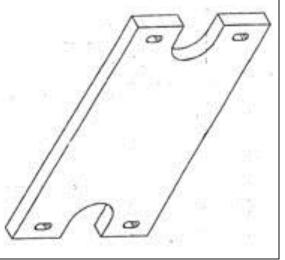
DESIGN NUMBER	219111
CLASS	08-05

# 1)BRIAN P. CARLSON, SCOTT R. LIMBACK CHRISTINE M. ROCK, JOSEPH P. KAPER

145 SPYGLASS DRIVE, CITY OF BERMUDA RUN, COUNTY OF DAVIE, STATE OF NORTH CAROLINA.

DATE OF REGISTRATION	11/04/2008
TITLE	CLEANING PAD

PRIORITY NUMBER	DATE	COUNTRY
29/306, 625	11/04/2008	U.S.A.



DESIGN NUMBER	266951
CLASS	03-01

# 1)URMIWEAVE LLP, AN INDIAN LIMITED LIABILITY PARTNERSHIP FIRM OF

244 ATD STREET, RACE COURSE, COIMBATORE 641018, STATE OF TAMIL NADU, INDIA

]	DATE OF REGISTRATION	28/10/2014
7	<b>FITLE</b>	HANDBAG



#### PRIORITY NA

DESIGN NUMBER	266649
CLASS	02-02

### 1)RAMSON EXPORTS (INDIA)

808, STREET NO. 2, SHANKER LANE, GURU VIHAR, RAHON ROAD, LUDHIANA-141 007 (PUNJAB) INDIA

DATE OF REGISTRATION	10/10/2014
TITLE	LADIES TOP



## PRIORITY NA

DESIGN NUMBER	263243
CLASS	03-01

### 1)1) URBANZAA,

203/205, 86/1, MINT PLAZA, VARTHUR HOBLI, BELLANDUR VILLAGE, BENGALURU-560103, AN INDIAN NATIONAL

DATE OF REGISTRATION	11/06/2014
TITLE	PURSE



DESIGN NUMBER	264548
CLASS	12-08

# 1)FERRARI S.P.A., AN ITALIAN COMPANY OF

VIA EMILIA EST 1163, MODENA, ITALY

DATE OF REGISTRATION	06/08/2014
TITLE	CAR



PRIORITY NUMBER	DATE	COUNTRY
002402040	10/02/2014	OHIM

DESIGN NUMBER	264797
CLASS	02-04

1)YOGESH KUMAR, M/S. K. R. LAMIFAB PVT. LTD. (AN INDIAN NATIONAL) A-322, DSIIDC, NARELA, DELHI-110040 (INDIA), AN INDIAN NATIONAL OF ABOVE ADDRESS.

DATE OF REGISTRATION	18/08/2014
TITLE	SOLE OF FOOTWEAR



### PRIORITY NA

29/484,070

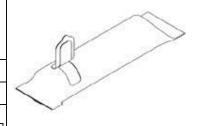
DESIGN NUMBER	265477
CLASS	09-03

# 1)INTERCONTINENTAL GREAT BRANDS LLC, A COMPANY INCORPORATED IN THE STATE OF DELAWARE, USA, OF

100 DEFOREST AVENUE, EAST HANOVER, NEW JERSEY 07936, UNITED STATES OF AMERICA

DATE OF REGISTRATION		05/09/2014
TITLE		PACKAGE
PRIORITY		
PRIORITY NUMBER	DATE	COUNTRY

05/03/2014



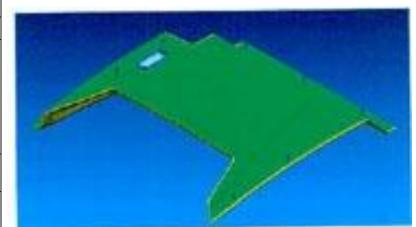
U.S.A.

DESIGN NUMBER	264859
CLASS	12-16

1)JCB INDIA LIMITED, AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT B-1/1-1, 2ND FLOOR, MOHAN CO-OPERATIVE INDUSTRIAL ESTATE, MATHURA ROAD, NEW DELHI, INDIA

AND WORKS AT 23/7, MATHURA ROAD, BALLABGARH, HARYANA, INDIA.

DATE OF REGISTRATION	19/08/2014
TITLE	ROOF LINER OF THE SKID STEER LOADER MACHINE



### PRIORITY NA

DESIGN NUMBER	265112
CLASS	26-03

1)M/S SHREE SANT KRIPA INTELLECTUAL, HAVING OFFICE AT 7, AKSHAY COMPLEX, OFF. DHOLE PATIL ROAD, PUNE-411001, MAHARASHTRA, INDIA

DATE OF REGISTRATION	26/08/2014	
TITLE	LIGHTING FIXTURES FOR LAMP	



### PRIORITY NA

DESIGN NUMBER	265286	
CLASS	23-01	

# 1)JAIN KALPESH RAMESH, NATIONALITY INDIAN TRADING AS HARIOM METAL & TUBES, ADDRESS AT

PLOT NO. 287/6 TO 12, B-2, HARIOM COMPOUND, G I D C, UMERGAON, DIST: VALSAD 396171, GUJARAT, INDIA

DATE OF REGISTRATION	01/09/2014	
TITLE	TUBES FOR AIR DISTRIBUTIO	

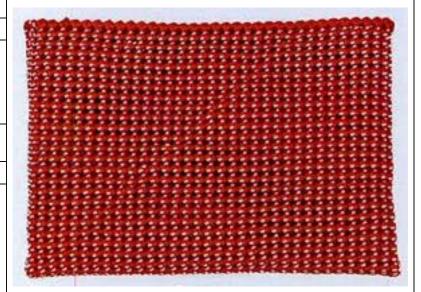


DESIGN NUMBER	266955	
CLASS	03-01	

# 1)URMIWEAVE LLP, AN INDIAN LIMITED LIABILITY PARTNERSHIP FIRM OF

244 ATD STREET, RACE COURSE, COIMBATORE 641018, STATE OF TAMIL NADU, INDIA

DATE OF REGISTRATION	28/10/2014	
TITLE	HANDBAG	



### PRIORITY NA

DESIGN NUMBER	266654	
CLASS	02-02	

# 1)RAMSON EXPORTS (INDIA)

808, STREET NO. 2, SHANKER LANE, GURU VIHAR, RAHON ROAD, LUDHIANA-141007 (PUNJAB) INDIA

DATE OF REGISTRATION	10/10/2014	
TITLE	T-SHIRT	



### PRIORITY NA

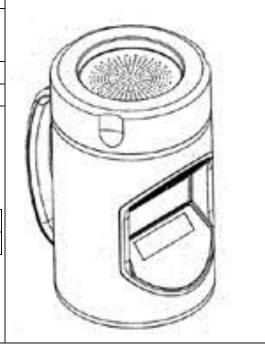
DESIGN NUMBER	263520	
CLASS	10-04	

# 1)MBV LTD, MICROBIOLOGY AND BIOANALYTIC, A SWISS COMPANY OF

INDUSTRIESTRASSE 9, 8712 STÄFA, SWITZERLAND

DATE OF REGISTRATION	19/06/2014	
TITLE	MICROBIAL AIR SAMPLER	

PRIORITY NUMBER	DATE	COUNTRY
140567	19/12/2013	SWITZERLAND



DESIGN NUMBER	266162
CLASS	26-04
EXISTING UNDER THE LAWS NETHERLANDS, RESIDING A' ADDRESS IS	V., A COMPANY ORGANIZED AND OF THE KINGDOM OF THE FEINDHOVEN, WHOSE POST-OFFICE AE EINDHOVEN, THE NETHERLANDS
DATE OF REGISTRATION	29/09/2014
TITLE	LED LAMP

PRIORITY NUMBER	DATE	COUNTRY
002438085-0001	02/04/2014	OHIM

