## पेटट कार्यालय शासकीय जर्नल

# OFFICIAL JOURNAL OF THE PATENT OFFICE

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DATE: 11/04/2014

## पेटट कार्यालय का एक प्रकाशन PUBLICATION OF THE PATENT OFFICE

### **INTRODUCTION**

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

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

11<sup>th</sup> APRIL, 2014

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## THE PATENT OFFICE KOLKATA, 11/04/2014

#### **Address of the Patent Offices/Jurisdictions**

The following are addresses of all the Patent Offices located at different places having their Territorial Jurisdiction on a Zonal basis as shown below:-

1	Office of the Controller General of Patents, Designs & Trade Marks, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai - 400 037  Phone: (91)(22) 24123311, Fax: (91)(22) 24123322 E-mail: cgpdtm@nic.in	4	The Patent Office, Government of India, Intellectual Property Rights Building, G.S.T. Road, Guindy, Chennai - 600 032.  Phone: (91)(44) 2250 2081-84 Fax : (91)(44) 2250 2066 E-mail: chennai-patent@nic.in  ❖ The States of Andhra Pradesh, Karnataka,
2	The Patent Office, Government of India, Boudhik Sampada Bhavan, Near Antop Hill Post Office,S.M.Road,Antop Hill, Mumbai - 400 037 Phone: (91)(22) 24137701 Fax: (91)(22) 24130387 E-mail: mumbai-patent@nic.in  The States of Gujarat, Maharashtra, Madhya Pradesh, Goa and Chhattisgarh and the Union Territories of Daman and Diu & Dadra and Nagar Haveli	5	Kerala, Tamil Nadu and the Union Territories of Puducherry and Lakshadweep.  The Patent Office (Head Office), Government of India, Boudhik Sampada Bhavan, CP-2, Sector -V, Salt Lake City, Kolkata- 700 091  Phone: (91)(33) 2367 1943/44/45/46/87 Fax: (91)(33) 2367 1988 E-Mail: kolkata-patent@nic.in
3	The Patent Office, Government of India, Boudhik Sampada Bhavan, Plot No. 32., Sector-14, Dwarka, New Delhi – 110075 Phone: (91)(11) 2808 1921 – 25 Fax: (91)(11) 2808 1920 & 2808 1940 E.mail: delhi-patent@nic.in The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan, Uttar Pradesh, Uttaranchal, Delhi and the Union Territory of Chandigarh.		❖ Rest of India

Website: <u>www.ipindia.nic.in</u> www.patentoffice.nic.in

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and The Patents (Amendment) Act, 2005 or by the Patents (Amendment) Rules, 2006 will be received only at the appropriate offices of the Patent Office.

Fees: The Fees may either be paid in cash or may be sent by Bank Draft or Cheques payable to the Controller of Patents drawn on a scheduled Bank at the place where the appropriate office is situated.

## पेटेंट कार्यालय कोलकाता, दिनांक 11/04/2014 कार्यालयों के क्षेत्राधिकार के पते

विभिन्न जगहों पर स्थित पेटेंट कार्यालय के पते आंचलिक आधार पर दर्शित उनके प्रादेशिक अधिकार क्षेत्र के साथ नीचे दिए गए है:-

			•
1	कार्यालय : महानियंत्रक, एकस्व, अभिकल्प	4	पेटेंट कार्यालय, भारत सरकार
	तथा व्यापार चिहन,		इंटेलेक्चुअल प्रॉपर्टी राइट्स बिल्डिंग, इंडस्ट्रियल इस्टेट
	एंटोप हिल डाकघर के समीप,		एसआईडीसीओ आरएमडी गोडाउन एरिया
	एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037, भारत,		एडजसेन्ट टु ईगल फ्लास्क, जी. एस. टी. रोड, गायन्डी
	फोन: (91) (22) 24123311		चेन्नई - 600 032.
	फ़ैक्सः (91) (22) 24123322		फोन: (91)(44) 2250 2081-84
	ई. मेल: cgpdtm@nic.in		फ़ैक्सः (91)(44) 2250-2066
			ई. मेल: chennai-patent@nic.in
			<ul> <li>आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु तथा</li> </ul>
			पुडुचेरी राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षदीप
2	पेटेंट कार्यालय, भारत सरकार	5	पेटेंट कार्यालय, भारत सरकार
	बौद्धिक संपदा भवन,		कोलकाता, (प्रधान कार्यालय)
	एंटोप हिल डाकघर के समीप,		बौद्धिक संपदा भवन,
	एस. एम. रोड, एंटोप हिल, मुम्बई- 400 037,		सीपी-2, सेक्टर- V, साल्ट लेक सिटी,
	फोन: (91) (22) 24137701		कोलकाता-700 091, भारत.
	फ़ैक्सः (91) (22) 24130387		फोन: (91)(33) 2367 1943/44/45/46/87
	ई. मेल: Mumbai-patent@nic.in		फ़ैक्स:/Fax: (91)(33) 2367 1988
	<ul> <li>गुजरात, महाराष्ट्र, मध्य प्रदेश, गोवा तथा</li> </ul>		ई. मेल: kolkata-patent@nic.in
	छत्तीसगढ़ राज्य क्षेत्र एवं संघ शासित क्षेत्र, दमन		
	तथा दीव, दादर और नगर हवेली.		<ul><li>भारत का अवशेष क्षेत्र</li></ul>
3	पेटेंट कार्यालय, भारत सरकार		
	बौद्धिक संपदा भवन,		
	प्लॉट सं. 32, सेक्टर- 14, द्वारका, नई दिल्ली- 110 075.		
	फोन: (91)(11) 2808 1921-25		
	फ़ैक्स: (91)(11) 2808 1920, 2808 1940		
	ई. मेल: delhi-patent@nic.in		
	हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,		
	पंजाब,राजस्थान, उत्तर प्रदेश, दिल्ली तथा उत्तरांचल राज्य		
	क्षेत्रों, एवं संघ शासित क्षेत्र चंडीगढ़		
	वेदमाहरः http://www	w in	india nia in

वेबसाइटः http://www.ipindia.nic.in www.patentoffice.nic.in

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.4/- per page. If any further details are required to be obtained, the same can be provided by the respective Patent Offices on request.

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

#### **SPECIAL NOTICE**

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

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

## **SPECIAL NOTICE**

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

## NOTICE (MUMBAI)

Application number 1352/MUM/2013 dated 10/04/2013 was published in patent office Journal dated 03/05/2013. In said patent application complete specification filed on 10/04/2013 has been treated as provisional specification under section 9(3) of the Patents Act, 1970.

#### **Early Publication:**

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

(12) PATENT APPLICATION PUBLICATION (21) Application No.100/DEL/2014 A

(19) INDIA

(22) Date of filing of Application: 14/01/2014 (43) Publication Date: 11/04/2014

#### (54) Title of the invention: PHOTOSTABLE NIOSOMAL GEL OF ISOTRETINOIN

(51) International classification :A61K (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 Filing Date :NA	(71)Name of Applicant:  1)Lovdeep Gautam Address of Applicant: ISF College of Pharmacy, Ferozepur Road, Ghal Kalan Moga, Postal Code: 142001 Punjab India  2)Sandeep Sharma 3)Abhinav Mehta 4)Ashish Baldi (72)Name of Inventor: 1)Lovdeep Gautam 2)Sandeep Sharma 3)Abhinav Mehta 4)Ashish Baldi
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#### (57) Abstract:

Present invention relates to a composition for treatment of skin disorders like acne. Said composition comprises of Niosomal Gel of Isotretinoin which is more photostable. Present invention also provides a process for preparation of said niosomal gel of Isotretinoin of instant invention.

No. of Pages: 28 No. of Claims: 8

(21) Application No.635/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :06/03/2014

(43) Publication Date: 11/04/2014

## (54) Title of the invention: ULTRAVIOLET SPECTROPHOTOMETRIC METHOD FOR DETERMINATION OF ACID DISSOCIATION CONSTANT (PKA) AND PARTITION COEFFICIENT (LOG P) OF TRAMADOL HYDROCHLORIDE

(51) International classification :G01	N (71)Name of Applicant:
(31) Priority Document No :NA	1)Dr. Anjoo Kamboj
(32) Priority Date :NA	Address of Applicant : Chandigarh college of Pharmacy,
(33) Name of priority country :NA	Landran, Mohali (Pb) 140307 India
(86) International Application No :NA	2)Yogesh
Filing Date :NA	3)Vikas Kohar
(87) International Publication No : NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number :NA	1)Dr. Anjoo Kamboj
Filing Date :NA	2)Yogesh
(62) Divisional to Application Number :NA	3)Vikas Kohar
Filing Date :NA	

#### (57) Abstract:

An analytical method for determination of Acid dissociation constant (pKa) and partition coefficient (logP) of Tramadol Hydrochloride by using Ultraviolet spectrophotometer. Method is developed, optimized and validated by using inexpensive solvents and simultaneous equation method. The present invention provides a Ultraviolet spectrophotometric method or process for determining pKa / log P value of Tramadol Hydrochloride. The present invention provides a simple, accurate, precise, easy and specific method using Ultraviolet spectrophotometer for determining pKa / log P value. The method described in this research work for the determination of pKa and LogP of tramadol hydrochloride is simple, accurate, sensitive, reproducible and economical. The proposed method utilizes inexpensive solvents. The method could be applied for routine analysis in quality control laboratories.

No. of Pages: 12 No. of Claims: 8

(21) Application No.616/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :05/03/2014

(43) Publication Date: 11/04/2014

#### (54) Title of the invention: ANIMAL MAZE

(51) International classification	:A01K	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr Neeraj Gilhotra
(32) Priority Date	:NA	Address of Applicant :Department of Pharmaceutical
(33) Name of priority country	:NA	Sciences, M D University, Rohtak 124 001 Delhi India
(86) International Application No	:NA	2)Dr Ritu Gilhotra
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Dr Neeraj Gilhotra
(61) Patent of Addition to Application Number	:NA	2)Dr Ritu Gilhotra
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
-		1

#### (57) Abstract:

The Animal maze is a novel maze to assess anxiety behavior in mice. The tunnel maze comprise of a white straight platform of 48 cm length and 5 cm width. Maze is divided equally into three quadrants; one central quadrant is enclosed by 6 cm high walls and covered with a roof and two open terminal quadrants. Open quadrants are surrounded on outer edges by 6 mm high lip . The fabrication material may be wooden or any other temperature buffering material that may be helpful to resist change in temperature of the surface of the maze platform.

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

(21) Application No.587/DEL/2014 A

(19) INDIA

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

(43) Publication Date: 11/04/2014

#### (54) Title of the invention: TRACTOR (MARD)

(51) International classification	:B62D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MANGAY RAM
(32) Priority Date	:NA	Address of Applicant :HOUSE NO. 50, BUARA ROAD,
(33) Name of priority country	:NA	BHOOR KHATAULI, DISTT. MUZAFFAR NAGAR (U.P.)
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)MANGAY RAM
(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:

Tractor MARD has been especially keeping in mind many untouched aspects of farmer through which almost all the work could be completed on incurring least expenditure. The tractor is cheap, small, low, high and long according to the crop & is made strong with M.S.Steel. further, it would be made from 5 H.P. to 12 H.P. respectively, seeing the small tyres, it should slips less on the land & doesnt overturn on speecing an easy facility is provided for making the back tyres double or single. For long life of the engine ISI mark engine has been used. Its minimum width between the single tyres has been kept from 28 inch to 34 inch. Its minimum length can be 65 inch and the maximum according to the big tyres in the same chasise can be upto 78 inch. Height from the land below in comparison to the present tractors is kept at 2 inches more i.e. 17 to 18 inches maximum and minimum height on installing 22 inch O.D. tyre is put upto 8 inch. With double tyres the width can be kept at 44 inch to 50 inches. As the tyre would be set according to the request by knowing the work to be performed from 4 inch 8 inch, the farmer can be given the tractor according to his work. Its total height has been kept from 40 inch to 50 inch i.e. our biggest tractor can come into a space of 50 inch x 50 inch x 78 inch. For the tractor to turn in a small space its front and rear axels have been placed at equal distance at 28 inch to 35 inch alongwith that mard tractor has been equipped with all the features of other tractors. It would be made according to the requirement of the farmer by rope or self start. Because of its being small it would help in solving the problems of the cleaning crew like sweeping in small lanes of 5 to 7 foot, watering the roads and picking up garbage and at brick klin will work easily by delivering the raw bricks to the klin instead of by donkeys or ass & would cost less also, its consumption of diesel will be from 600ml per hour to 1 litre per hour respectively in a tractor upto 12 H.P. respectively. Further, minimum speed would be about 2.5 km per hour to maximum speed 25 km per hour.

No. of Pages: 27 No. of Claims: 11

(21) Application No.590/DEL/2014 A

(19) INDIA

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

(43) Publication Date: 11/04/2014

## (54) Title of the invention : METHOD OF DEVELOPMENT OF MULTI-FUNCTIONAL PROPERTIES ON COTTON FABRIC BY SITU APPLICATION OF TIO2 AND NANO ZNO AND PRODUCT THEREOF

(51) International classification :d03I	(71)Name of Applicant :
(31) Priority Document No :NA	1)DR. BHUPENDRA SINGH BUTOLA
(32) Priority Date :NA	Address of Applicant :C/O-MUKESH JAIN, NAVKAR T-15,
(33) Name of priority country :NA	GREEN PARK EXTENSION, DELHI-110016. India
(86) International Application No :NA	2)AAYUSH GARG
Filing Date :NA	3)AMAN GARG
(87) International Publication No : NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number :NA	1)DR. BHUPENDRA SINGH BUTOLA
Filing Date :NA	2)AAYUSH GARG
(62) Divisional to Application Number :NA	3)AMAN GARG
Filing Date :NA	

#### (57) Abstract:

In this patent application, a method for preparation of multifunctional cotton fabric by coating it with TiO2 (Titanium Dioxide) and ZnO (Zinc Oxide) in a specific sequence is described. The cotton fabric prepared in this manner has self-cleaning, anti-bacterial and UV-blocking functional properties. The effect is most pronounced when the TiO2 coating is followed by ZnO coating rather than the other way round. It is found that TiO2 coating followed by ZnO coating on cotton fabric shows better results in terms of UPF (Ultra Violet protection Factor) rating, self-cleaning effectiveness and antimicrobial property in comparison to only TiO2 or ZnO coated fabrics. But most importantly, the fabric exhibits excellent durability to washing. This means that no extra treatment with any binding agent is needed which can reduce the permeability of the fabric. There was negligible difference in air permeability of treated fabric as compared to the untreated one. This means that comfort aspect of fabric is not compromised after treatment.

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

(21) Application No.626/DEL/2014 A

(19) INDIA

(22) Date of filing of Application :06/03/2014

(43) Publication Date: 11/04/2014

#### (54) Title of the invention: SOLAR ROOF ON ROADS WITH RAIN WATER HARVESTING SYSTEM & ADVERTISEMENTS

(51) International classification	:f24J	(71)Name of Applicant :
(31) Priority Document No	:NA	1)BHATIA, ASHISH
(32) Priority Date	:NA	Address of Applicant :4/14, KRISHNA NAGAR, KANPUR,
(33) Name of priority country	:NA	208007 Uttar Pradesh India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)BHATIA, ASHISH
(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:

The idea is to place photovoltaic (PV) modules (solar panels) above the roads, which provide enough shade to the road traffic, generate huge free electricity & helps in conserving rain water. As its already known, that solar energy can be utilized for generation of electricity, & rain water can be used for daily household works by preserving it, so the combination of both will help us to fight with the crisis of Electricity as well as Water, at the same time. In this, The Panels are arranged enough above the road with the help of frames (fixed or movable), at an angle of location latitude, in such a way, that it wont disturb the road traffic & also with rain water harvesting system at the bottom side of those solar panels frame, rain water collection will be done.

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

(21) Application No.1518/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :21/03/2014

(43) Publication Date: 11/04/2014

#### (54) Title of the invention: TELESCOPIC AUTOMATED STRAW (ASTRAW)

(51) International classification	:A61J7/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)HCL Technologies Limited
(32) Priority Date	:NA	Address of Applicant :HCL Technologies Ltd AMB 3.64-
(33) Name of priority country	:NA	66, South Phase, II Main road, Ambattur Industrial estate,
(86) International Application No	:NA	Chennai-58 Tamil Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Gopi Krishna Durbhaka
(61) Patent of Addition to Application Number	:NA	2)Simy Chacko
Filing Date	:NA	3)Shyam Thangaraju
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Automated telescopic straw. The principal object of this invention is to provide an automated motorized portable telescopic straw. Another object of the invention is to provide an automated motorized portable telescopic straw which performs suction and dispensing of liquids. Another object of the invention is to provide an automated motorized portable telescopic straw with regulation/control of suction rate. Another object of the invention is to provide an automated motorized portable telescopic straw with regulation/control of dispensing rate. Another object of the invention is to provide an automated motorized portable telescopic straw with a reservoir. Another object of the invention is to provide an automated motorized portable telescopic straw with a control unit, wherein the control unit may be configured to generate alerts automatically, learn from historic data, build user profiles, adaptability and so on.

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

(21) Application No.1694/CHE/2014 A

(19) INDIA

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

(43) Publication Date: 11/04/2014

#### (54) Title of the invention: NEW ANTIFUNGAL COMPOUNDS, COMPOSITIONS AND USES

(51) International classification	:A61K9/00	(71)Name of Applicant :
(31) Priority Document No	:201410023210.2	
(32) Priority Date	:11/01/2014	Address of Applicant :of Unit 22-702, No.600 Renming West
(33) Name of priority country	:China	Road, Zhuhai City, Guangdong Province 519020, China
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)LI, Dong
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a novel broad-spectrum antifungal compound, a broad-spectrum antifungal composition, the compound or composition is applied and the compound or composition in the preparation of broad-spectrum antifungal agents used in the preparation of in the treatment of severe invasive aspergillosis infection and / or invasive candidiasis caused by fluconazole-resistant (including krusei) and / or severe infections of the drug by the foot actinomycetes and bacteria which caused the Fusarium applications. With a wide range of powerful anti-fungal activity, pharmacokinetic properties and its good safety of the invention.

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

(21) Application No.1609/CHE/2014 A

(19) INDIA

(22) Date of filing of Application :26/03/2014

(43) Publication Date: 11/04/2014

#### (54) Title of the invention: PORTABLE IN-SITU SOIL TESTING DEVICE

(51) International classification	:E02D1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)NATIONAL INSTITUTE OF OCEAN TECHNOLOGY
(32) Priority Date	:NA	Address of Applicant :NIOT campus, Velachery Tambaram
(33) Name of priority country	:NA	Main Road, Narayanpuram, Pallikarani Chennai 600100, Tamil
(86) International Application No	:NA	Nadu India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Muthuvel, P.
(61) Patent of Addition to Application Number	:NA	2)Sasikala, T.
Filing Date	:NA	3)Gnanaraj, A. A.
(62) Divisional to Application Number	:NA	4)Deepak, C. R.
Filing Date	:NA	5)Atmanand, M. A.

#### (57) Abstract:

The present disclosure discloses a portable in-situ soil testing device for the measurement of bearing strength of soil. The device uses hydraulic oil as force transfer medium and hence do not develop offset error with usage. The pressure generated while the system is penetrates soil is measured with the help of pressure transducer. An embedded electronic system then calculates and display of results. This method is thus devoid of parallax error. The device is portable and can be easily mounted on a stand or on an extended arm attached to machine, thus enabling on-site determination of soil bearing strength without employing elaborate setup.

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

(21) Application No.1573/CHE/2014 A

(19) INDIA

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

(43) Publication Date: 11/04/2014

## (54) Title of the invention : SYSTEM AND METHOD FOR DETERMINING THE CHARACTERISTICS OF HUMAN PERSONALITY AND PROVIDING REAL-TIME RECOMMENDATIONS

(51) International classification	:A61B5/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)WIPRO LIMITED
(32) Priority Date	:NA	Address of Applicant :Doddakannelli, Sarjapur Road,
(33) Name of priority country	:NA	Bangalore 560035, Karnataka, India.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ABHISHEK GUNJAN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present disclosure relates to systems, methods, and non-transitory computer-readable media for identifying a personality of a human subject based on correlations between personality traits obtained from the subject<sup>TM</sup>s physical features, which may include a movement pattern of the subject, such as the subject<sup>TM</sup>s gait. Embodiments in accordance with the present disclosure are further capable of providing a recommendation to the subject for a product or service based on the identified personality of the subject.

No. of Pages: 39 No. of Claims: 18

(21) Application No.1589/CHE/2014 A

(19) INDIA

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

(43) Publication Date: 11/04/2014

#### (54) Title of the invention: SYSTEM AND METHOD FOR BUSINESS INTELLIGENCE DATA TESTING

(51) International classification	:G06F17/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)WIPRO LIMITED
(32) Priority Date	:NA	Address of Applicant :Doddakannelli, Sarjapur Road,
(33) Name of priority country	:NA	Bangalore 560035, Karnataka, India.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PRABHAKAR DAS
(87) International Publication No	: NA	2)LAKSHMI GANESH
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) A1		1

#### (57) Abstract:

Systems and methods for testing business intelligence data over a communication network are described herein. In one example, the method comprises receiving a data mapping file, applicable to a source data repository and a target data repository, and generating data mapping file based on the same. The method further comprises generating test cases, based on the data mapping file, and SQL scripts, for execution of the test cases, and executing the SQL scripts on the source data repository and the target data. The method further comprises receiving an online analytical processing (OLAP) cube report for the target data repository and comparing the OLAP cube report, which is to be tested, to generate a comparison report, wherein the comparison report is indicative of the fields of the OLAP cube report and the report, which is to be tested, which generated at least one error.

No. of Pages: 35 No. of Claims: 14

(21) Application No.1586/CHE/2014 A

(19) INDIA

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

(43) Publication Date: 11/04/2014

## (54) Title of the invention : SYSTEM AND METHOD FOR DATA QUALITY ASSESSMENT IN MULTI-STAGE MULTI-INPUT BATCH PROCESSING SCENARIO

(51) International classification	:G06F17/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)WIPRO LIMITED
(32) Priority Date	:NA	Address of Applicant :Doddakannelli, Sarjapur Road,
(33) Name of priority country	:NA	Bangalore 560035, Karnataka, India.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ANINDITO DE
(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 disclosure relates to systems, methods, and non-transitory computer-readable media for assessing data quality in multi-stage, multi-source batch processes that do not require validation of input data prior to processing. Embodiments of the present disclosure are further capable of identifying or predicting potential data quality issues, assessing their impact (if any) on the batch process, and providing recommendations for preventing or resolving the identified or predicted data quality issues.

No. of Pages: 36 No. of Claims: 18

(21) Application No.1643/CHE/2014 A

(19) INDIA

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

(43) Publication Date: 11/04/2014

#### (54) Title of the invention: LOGIC ANALYZER CIRCUIT FOR PROGRAMMABLE LOGIC DEVICE

(51) International classification	:G06F17/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)WIPRO LIMITED
(32) Priority Date	:NA	Address of Applicant :Doddakannelli, Sarjapur Road,
(33) Name of priority country	:NA	Bangalore 560035, Karnataka, India.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)VIJAY KUMAR KODAVALLA
(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 disclosure relates to methods and related systems and computer-readable mediums. The methods include receiving a design for a programmable logic device (PLD). The design includes a plurality of nodes. The method also includes modifying, via one or more hardware processors, the design to include a logic analyzer circuit. The logic analyzer circuit includes inputs for a plurality of selectable groups of capture signals for connecting to selected nodes of the plurality of nodes. In addition, the method includes outputting the design to the PLD to program the PLD. The disclosure also relates a system comprising a user logic circuit, a logic analyzer circuit, and a memory.

No. of Pages: 27 No. of Claims: 18

(21) Application No.178/KOL/2014 A

(19) INDIA

(22) Date of filing of Application: 12/02/2014

(43) Publication Date: 11/04/2014

## (54) Title of the invention : AN IMPROVED LIGHT WEIGHT DIESEL POWER PACK FOR A MOTORCYCLE TO ACHIEVE HIGHER FUEL EFFICIENCY

<ul><li>(51) International classification</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>	:F02B 3/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)SUJIT GHATE  Address of Applicant: A.K. DIESEL'S 90 RAVISHANKAR STADIUM DRUG, CHATTISGARH, INDIA-491001 Chattisgarh India  2)A.K.CHATTERJEE
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date	:NA : NA :NA :NA	3)A.K.SARKAR (72)Name of Inventor: 1)SUJIT GHATE 2)A.K.CHATTERJEE
(62) Divisional to Application Number Filing Date	:NA :NA	3)A.K.SARKAR

#### (57) Abstract:

The invention relates to an improved Diesel power pack for a motorcycle to achieve higher fuel efficiency. The Diesel power pack comprises of an engine; power transmission system and a gear box. The various parts of the engine are designed, modified as per requirement. A modified intake valve (1), exhaust Valve (1); modified valve guides, a plurality of valve springs (3); a plurality of modified rocker (4); a modified cylinder liner whose dimension are modified for reducing the volume of intake air, modified piston suiting the cylinder liner; a connecting rod modified suiting the shape and size of the piston are disposed in the assembly wherein the preheated diesel system (PHDS) is disposed in the silencer for injecting heated diesel in the cylinder for complete burning of the fuel and the EGR (exhaust gas re-circulation) system is disposed in the exhaust pipe for adding hot air with fresh air from the filter for complete burning of fuel.

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

(21) Application No.204/KOL/2014 A

(19) INDIA

(22) Date of filing of Application: 18/02/2014

(43) Publication Date: 11/04/2014

## (54) Title of the invention : A PROCESS FOR PREPARING RECYCLED PLASTIC MATERIALS FROM WASTE ELECTRICAL & ELECTRONIC EQUIPMENT

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:B29B 17/00 :NA	(71)Name of Applicant:  1)DR. SANJAY KUMAR NAYAK Address of Applicant: C/O. CIPET, B/25, CNI COMPLEX,
(32) Priority Date	:NA	PATIA, BHUBANESWAR-751024 Orissa India
(33) Name of priority country	:NA	2)DR. SMITA MOHANTY
(86) International Application No	:NA	3)DR. JANDAS P. J.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)DR. SANJAY KUMAR NAYAK
(61) Patent of Addition to Application Number	:NA	2)DR. SMITA MOHANTY
Filing Date	:NA	3)DR. JANDAS P. J.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

This invention relates to a process for preparing recycled plastic materials and in particular, this invention relates to a process for preparing recycled plastic materials from waste electrical & electronic equipment. More particularly, this present invention relates to a process for preparing recycled plastic materials from waste electrical & electronic equipment like thin walled housing parts for electrical & electronic equipment such as outer casing of mobile phone charger. Furthermore, this invention also relates to the process of preparing a composition of recycled plastic materials from waste electrical & electronic equipment (WEEE).

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

(21) Application No.78/KOL/2014 A

(19) INDIA

(22) Date of filing of Application :20/01/2014

(43) Publication Date: 11/04/2014

#### (54) Title of the invention: A MACHINE FOR CULTIVATION IN AGRICULTURAL FIELD.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	79/00 :NA :NA	(71)Name of Applicant:  1)SANKAR NARAYAN MAHATO Address of Applicant:VILLSINDURPORE, PURULIA - 723148, WEST BENGAL, INDIA. (72)Name of Inventor: 1)SANKAR NARAYAN MAHATO
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#### (57) Abstract:

This invention relates to a machine for cultivation in agricultural field and in particular, this invention relates to a machine which is particularly intended for gardening and small truck farming operations consisting of apparatus which provides for accurate cultivating of soil and planting of trees in rows and cutting of trees. More particularly, this present invention relates to a machine for cultivation which is able to repeat it's travel in the row to perform subsequent tasks such as in-the-row weeding, cultivating and other operations as desired. Furthermore, this invention also relates to a machine for cultivation in agricultural field which has the beneficial effects of having high production efficiency, saving manpower cost, reducing labor intensity, and having safety and reliability in production.

No. of Pages: 22 No. of Claims: 4

#### **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.2813/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/09/2012 (43) Publication Date : 11/04/2014

#### (54) Title of the invention: HIGHLY BIO-AVAILABLE FAST ACTING PHRAMACEUTICAL FORMULATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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)AKUMS DRUGS & PHARMACEUTICALS LIMITED Address of Applicant: 304, MOHAN PLACE, LSC, BLOCK- C, SARASWATI VIHAR, DELHI-34. India (72)Name of Inventor: 1)SANJEEV JAIN
<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	

<sup>(57)</sup> Abstract:

The present invention is related to a pharmaceutical formulation of Pantoprazole, which provides higher bioavailability and fast action than the conventional Pantoprazole formulations.

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

(21) Application No.2814/DEL/2012 A

(19) INDIA

(22) Date of filing of Application:11/09/2012

(43) Publication Date: 11/04/2014

#### (54) Title of the invention : Magnetic Job Rotator

(51) International classification	:G01N	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Nikhil Khator
(32) Priority Date	:NA	Address of Applicant :4/504 East End Apartments Mayur
(33) Name of priority country	:NA	Vihar - 1 (extn) Near New Ashok Nagar Metro Station Delhi -96
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Harpreet Kutaal
(61) Patent of Addition to Application Number	:NA	2)Nikhil Khator
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
/==> 11		1

#### (57) Abstract:

This invention can be used to rotate jobs in any manufacturing/production line in which the job is light weight and also is attracted to the magnet. The invention as described in the description contains simple mechanical parts like nylon plate induction motor and a powerful magnet. The job comes and rotates with the rotating nylon plate while the stem assisting it. This fast and simple mechanism is highly productive and cheaper to use in case as described where manpower is engaged for a process like fitting gaskets and have to turn upside down for the next process. This will clearly reduce effort and time needed to do it.

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

(21) Application No.2806/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :10/09/2012

(43) Publication Date: 11/04/2014

(54) Title of the invention: Method and system for authentication using multi-tier multi-class objects

:G06F	(71)Name of Applicant:
:NA	1)Samsung India Electronics Pvt Ltd
:NA	Address of Applicant :Samsung India Electronics Pvt. Ltd.
:NA	Logix Cyber Park Plot No C-28 & 29 Tower D Noida Sec - 62
:NA	India
:NA	(72)Name of Inventor:
: NA	1)Badrinath G Srinivas
:NA	2)Shashi Bhanwar
:NA	3)Shefali Karamchand Singh
:NA	4)Dr. Debi P Dogra
:NA	5)Saurabh Tyagi
	:NA :NA :NA :NA :NA :NA :NA

#### (57) Abstract:

The invention provides a method for authenticating a user in a touch screen environment. The method includes detecting a gesture and authenticating the user based on the matching of the detected gesture with a registered gesture. The gesture includes dropping objects from a first tier to a second tier or dropping objects from the first tier to the second tier via intermediate tiers.

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

(21) Application No.2834/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/09/2012 (43) Publication Date : 11/04/2014

(54) Title of the invention: MULTISTAGE WATER PURIFIER

(51) International classification	:B01D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)LUMINOUS WATER TECHNOLOGIES(P) LTD.
(32) Priority Date	:NA	Address of Applicant :221, UDYOG VIHAR, PHASE-1,
(33) Name of priority country	:NA	GURGAON, HARYANA (122016), INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MR. NAVNEET KAPOOR
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to the reverse osmosis based water purifier capable of generating good quality water, maintaining the purity of the treated water and providing safe drinking water. The purifier removes dissolved contents from all water sources with high salt content, removes toxic chemicals and microorganisms and provides treated water containing essential water ingredients.

No. of Pages: 11 No. of Claims: 5

(21) Application No.2835/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/09/2012 (43) Publication Date : 11/04/2014

#### (54) Title of the invention: A WATER PURIFIER WITH TANK MONITORING SYSTEM

(51) International classification	:B01D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)LUMINOUS WATER TECHNOLOGIES(P) LTD.
(32) Priority Date	:NA	Address of Applicant :221, UDYOG VIHAR, PHASE-1,
(33) Name of priority country	:NA	GURGAON, HARYANA (122016), INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MR. NAVNEET KAPOOR
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a tank monitoring system for the water purifier. The system comprises an alarm and a display for indicating the status of the storage tank. This display device indicates the level of water in the water purifier like full tank. The system gives indication about the completion of purifying process by showing a display mechanism with the union of reverse osmosis and/or ultraviolet lamp through different cartridges. The system also comprises a messaging system through which user received a message regarding the status of the tank on predefined telephone numbers. The water level display device is simple in structure, convenient in installation and maintenance, has a long service life and can visually display the water level of the water tank.

No. of Pages: 12 No. of Claims: 7

(21) Application No.2818/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/09/2012 (43) Publication Date : 11/04/2014

#### (54) Title of the invention: WATER PURIFIER WITH IMPROVED WATER STORAGE TANK

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:B01D :NA :NA	(71)Name of Applicant:  1)LUMINOUS WATER TECHNOLOGIES(P) LTD.  Address of Applicant: 221, UDYOG VIHAR, PHASE-1,
(32) Priority Date (33) Name of priority country (86) International Application No	:NA :NA :NA	GURGAON, HARYANA (122016), INDIA (72)Name of Inventor:
Filing Date (87) International Publication No	:NA :NA	1)MR. NAVNEET KAPOOR
(61) Patent of Addition to Application Number	:NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a water purifier with improved water storage tank which is capable of controlling regrowth of germs in drinking water inside the purifier and making water safe and fit for drink. The present invention removes/ reduces the chances of regrowth of bacteria by making air proof storage. Thus the improved tank system controls germs regrowth of such as but not limited to the bacteria, virus, cyst and other microorganisms inside the storage.

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

(21) Application No.2819/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/09/2012 (43) Publication Date : 11/04/2014

#### (54) Title of the invention: A NOVEL STORAGE TANK FOR THE WATER PURIFIER

(51) International classification (31) Priority Document No	:B01D :NA	(71)Name of Applicant: 1)LUMINOUS WATER TECHNOLOGIES (P) LTD.
(32) Priority Date	:NA	Address of Applicant :221, UDYOG VIHAR, PHASE-1,
(33) Name of priority country	:NA	GURGAON, HARYANA (122016), INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NAVNEET KAPOOR
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a storage tank based water purifier where multiple storage tanks may be attached to the single purifier unit. Additionally the storage tank(s) is provided at the back of the purifier unit giving it an extra ordinary look and mechanism for storage of effluent from different treatment trains. The filtered water storage tank of the present invention provides selective domestic water purifiers with a novel configuration and simple, cost effective and user-friendly compact design which avoids the common look of a purifier for household purposes.

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

(21) Application No.2826/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/09/2012 (43) Publication Date : 11/04/2014

#### (54) Title of the invention: INTELLIGENT TECHNOLOGY FOR DISPENSING WATER FROM A PURIFIER

(51) International classification	:F25D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)LUMINOUS WATER TECHNOLOGIES(P) LTD.
(32) Priority Date	:NA	Address of Applicant :221, UDYOG VIHAR, PHASE-1,
(33) Name of priority country	:NA	GURGAON, HARYANA (122016), INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MR. NAVNEET KAPOOR
(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

#### (57) Abstract:

The present invention relates to reverse osmosis based water purifier with touch mechanism and remote control operation for dispensing proper amount of permeate water from the permeate water storing. The system comprises the touch mechanism and a screen showing different touch switches for different dispensing options such as but not limited to 200ml and 1000 ml and other dispensing options for the purifier. In particular the display indication recognizes the quantity of water in milliliter. The remote control and touch screen based water dispensing control mechanism involving water purifier makes the system more beneficial for producing safe and quality drinking water.

No. of Pages: 10 No. of Claims: 4

(21) Application No.2827/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/09/2012

(43) Publication Date: 11/04/2014

#### (54) Title of the invention: WATER PURIFIER WITH NOVEL DISPENSER

(51) International classification	:A47J	(71)Name of Applicant:
(31) Priority Document No	:NA	1)LUMINOUS WATER TECHNOLOGIES(P) LTD.
(32) Priority Date	:NA	Address of Applicant :221, UDYOG VIHAR, PHASE-1,
(33) Name of priority country	:NA	GURGAON, HARYANA (122016), INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MR. NAVNEET KAPOOR
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a domestic water purifier adapted to deliver water filtered through water storage tank with an innovative design of protruding extendable and expandable nozzle that gives purified drinking water which is safe for human consumption. No use of tap in the purifier provides a controlled and exclusive design to the water purifier . The water purifier is also attached with an on /off operating switch to dispense the purified water from the purifier.

No. of Pages: 9 No. of Claims: 4

(21) Application No.2821/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/09/2012 (43) Publication Date : 11/04/2014

#### (54) Title of the invention: WATER PURIFIER WITH INSECT REPELLANT FEATURE

(51) International classification	:B01D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)LUMINOUS WATER TECHNOLOGIES (P) LTD.
(32) Priority Date	:NA	Address of Applicant :221, UDYOG VIHAR, PHASE-1,
(33) Name of priority country	:NA	GURGAON, HARYANA (122016), INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NAVNEET KAPOOR
(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

#### (57) Abstract:

The present invention relates to the water purifier with insect/ pest repellant feature. The purifier comprises an insect/ pest sensing and repelling device which is operated by the battery installed inside the purifier. The water purification comprises such as but not limited to the sediment, carbon, anti-scaling, reverse osmosis membrane and ultrafiltration which restrict the insects from entering the pure water container and water purifier system. The present invention ensures safety and avoids contamination by germs such as but not limited to the Vibrio, Escherichia, coliform, pseudomonas, proteus, Salmonella, Cocci Rotavirus, poliovirus, Amoeba, Cryptosporidium or others.

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

(21) Application No.2822/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/09/2012

(43) Publication Date: 11/04/2014

#### (54) Title of the invention: ELECTRONIC WATER DISPENSING CONTROL SYSTEM FOR A WATER PURIFIER

(51) International classification	:G05B	(71)Name of Applicant:
(31) Priority Document No	:NA	1)LUMINOUS WATER TECHNOLOGIES (P) LTD.
(32) Priority Date	:NA	Address of Applicant :221, UDYOG VIHAR, PHASE-1,
(33) Name of priority country	:NA	GURGAON, HARYANA (122016), INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)NAVNEET KAPOOR
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

THE PRESENT INVENTION RELATES TO A PERMEATE STORAGE BASED WATER DISPENSING SYSTEM COMPRISING ELECTRONICALLY OPERATED VALVE WHICH IS CAPABLE OF GENERATING PERMEATE WATER IN AN ORGANIZED MANNER. THE PERMEATE WATER COMING OUT OF THE PERMEATE STORAGE IS FIT FOR DRINKING AND ITS FLOW IS CONTROLLED BY THE ELECTRONICALLY CONTROLLED VALVE TO OBTAIN DESIRED QUANTITY OF DRINKING WATER. THE DISPENSING CONTROL MECHANISM OF THE PRESENT INVENTION PROVIDES FOR A SELECTIVE PERMEATE STORAGE AND DISPENSING MECHANISM MEANS WHICH ENABLE SIMPLE, COST EFFECTIVE AND USER- FRIENDLY COMPACT WATER PURIFIER FOR HOUSEHOLD PURPOSES.

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

(21) Application No.2833/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/09/2012

(43) Publication Date: 11/04/2014

#### (54) Title of the invention: SPIRAL ULTRA FILTRATION WATER PURIFICATION SYSTEM

:C02F	(71)Name of Applicant :
:NA	1)LUMINOUS WATER TECHNOLOGIES(P) LTD.
:NA	Address of Applicant :221, UDYOG VIHAR, PHASE-1,
:NA	GURGAON, HARYANA (122016), INDIA
:NA	(72)Name of Inventor:
:NA	1)MR. NAVNEET KAPOOR
: NA	
:NA	
:NA	
:NA	
:NA	
	:NA :NA :NA :NA :NA :NA :NA :NA

#### (57) Abstract:

The present invention relates to the spiral ultrafiltration based water purifier That f is made mainly for domestic use and helps in reducing germs from water. The spiral ultrafiltration system provides a selective means which enable simple, cost effective and user-friendly compact ultrafilteration device for household purposes. The ultra filtration based purifier is made of composite spiral sheet membrane that makes it possible to provide more protection against pathogenic water pollutants.

No. of Pages: 9 No. of Claims: 4

(21) Application No.2824/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/09/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: WATER PURIFIER CARTRIDGE LIFE INDICATION MECHANISM

(51) International classification	:C02F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)LUMINOUS WATER TECHNOLOGIES(P) LTD.
(32) Priority Date	:NA	Address of Applicant :221, UDYOG VIHAR, PHASE-1,
(33) Name of priority country	:NA	GURGAON, HARYANA (122016), INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MR. NAVNEET KAPOOR
(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 indicator mechanism for reverse osmosis, ultra-filtration and ultraviolet based point of use water purifier having cartridges like sediment filter, carbon filter, anti-scaling, reverse osmosis, ultra filtration and/or with ultra violet lamp indicating cartridge life for giving clue to the end user for replacement. The cartridge life indication is sensed by the effluent received from different cartridges after water treatment.

No. of Pages: 14 No. of Claims: 4

(21) Application No.2829/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/09/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: WATER PURIFIER WITH AN ECO-FRIENDLY WATER DISPENSING PAD

(51) International classification	:C02F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)LUMINOUS WATER TECHNOLOGIES(P) LTD.
(32) Priority Date	:NA	Address of Applicant :221, UDYOG VIHAR, PHASE-1,
(33) Name of priority country	:NA	GURGAON, HARYANA (122016), INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MR. NAVNEET KAPOOR
(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 controlled dispensing of purified water from point of use reverse osmosis based water purifier by dispensing only a required amount of water i.e. a glass of water. In this way the invention makes the purifier more ecofriendly and user friendly. The invention provides a simple solution with a touch pad and control electronic device, making it very comfortable in routine use as well as eco-friendly in all complex conditions.

No. of Pages: 10 No. of Claims: 4

(21) Application No.2830/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/09/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: A NOVEL REVERSE OSMOSIS BASED KITCHEN WATER PURIFIER

(51) International classification	:C02F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)LUMINOUS WATER TECHNOLOGIES(P) LTD.
(32) Priority Date	:NA	Address of Applicant :221, UDYOG VIHAR, PHASE-1,
(33) Name of priority country	:NA	GURGAON, HARYANA (122016), INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MR. NAVNEET KAPOOR
(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:

The present invention relates to a reverse osmosis based kitchen water purifier especially suited for the purpose of cooking, making tea/coffee/beverages, washing of vegetables and other raw materials. The purifier comprises multiple treatment stages where the water to be treated goes through particulate filter, sediment filter, granular activated carbon filter, anti-scaling and through purification by separation technology, cross flow separation by hollow fiber membrane and polishing mechanism through fine granular particles. The purifier not only enables the removal of dissolved contents from all water sources having high salt content but also is capable of removing toxic chemicals and microorganisms to provide treated water containing appropriate amount of water ingredients essential for kitchen applications.

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

(21) Application No.2815/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/09/2012

(43) Publication Date: 11/04/2014

### (54) Title of the invention: AIR RECONTAMINATION AND SPILL PROOF WATER DISPENSING SYSTEM

(51) International classification	:F25D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)LUMINOUS WATER TECHNOLOGIES(P) LTD.
(32) Priority Date	:NA	Address of Applicant :221, UDYOG VIHAR, PHASE-1,
(33) Name of priority country	:NA	GURGAON, HARYANA (122016), INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MR. NAVNEET KAPOOR
(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 inventions relates to a water purifier with a novel dispensing mechanism for controlled water output from the purifier tank. The water purifier of the present invention comprises a small water dispensing opening for preventing recontamination of the purified water by coming in contact with contaminated water. The novel dispensing mechanism also minimizes the wastage of the purified water by controlling the dispensing rate of the purified water from the storage tank. The water purifier of the invention is compact and user-friendly and has manually diverted valve to facilitate its ready and wide application even in complex locations to provide safe drinking water.

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

(21) Application No.2816/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/09/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: WATER CONTROL MECHANISM FOR PERMEATE STORING

(51) International classification	:B01D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)LUMINOUS WATER TECHNOLOGIES(P) LTD.
(32) Priority Date	:NA	Address of Applicant :221, UDYOG VIHAR, PHASE-1,
(33) Name of priority country	:NA	GURGAON, HARYANA (122016), INDIA
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)MR. NAVNEET KAPOOR
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present invention relates to a permeate storage based water purifier comprising multiple storage tanks and storage control mechanism comprising manually operated lever based valve which is capable of controlling the water storage in a tank and/or selecting and rerouting the permeate water from the purifier to the first storage tank or to another storage tank in an organized manner. The water control mechanism for permeate storage comprises manually operated lever based valve selectively disposed with permeate storage and clarification means such that water reaches its purified form. The water control mechanism of the present invention provides for a selective permeate storage and water control mechanism means which enable simple, cost effective and user-friendly compact water control mechanism device for household purposes.

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

(21) Application No.2817/DEL/2012 A

(19) INDIA

(22) Date of filing of Application :11/09/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: WATER PURIFIER WITH ODOR ENHANCER CARTRIDGE

(51) International classification	:B01D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)LUMINOUS WATER TECHNOLOGIES(P) LTD.
(32) Priority Date	:NA	Address of Applicant :221, UDYOG VIHAR, PHASE-1,
(33) Name of priority country	:NA	GURGAON, HARYANA (122016), INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MR. NAVNEET KAPOOR
(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:

The present invention relates to a point of use reverse osmosis based drinking water treatment system and method for controlling the re-growth of microorganisms and odor in water. The odor control mechanism comprises odor enhancer cartridge having antimicrobial and antibacterial agents. The present invention provides odorless, acceptable, safe and pure drinking water.

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

(21) Application No.2008/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :21/08/2012

(43) Publication Date: 11/04/2014

### (54) Title of the invention: INSIDER THREAT CORRELATION TOOL

(51) International classification	:G06F 15/173	(71)Name of Applicant :
(31) Priority Document No	:12/694,075	1)BANK OF AMERICA CORPORATION
(32) Priority Date	:26/01/2010	Address of Applicant :ATTN: PAA NC1-027-20-05 214 N.
(33) Name of priority country	:U.S.A.	Tryon Street Charlotte North Carolina 28255 United States of
(86) International Application No	:PCT/US2011/021149	America
Filing Date	:13/01/2011	(72)Name of Inventor:
(87) International Publication No	:WO/2011/094070	1)MCHUGH Brian
(61) Patent of Addition to Application	:NA	2)RAMCHARRAN Ronald
Number	:NA	3)LANGSAM Peter J.
Filing Date	.1171	4)METZGER Timothy C.
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Systems and methods for calculating threat scores for individuals within an organization or domain are provided. Aspects of the invention relate to computer-implemented methods that form a predictive threat rating for user accounts. In one implementation, a first threat score representing a first time period may be calculated. The first threat score may be compared with aspects of the same user accounts for a second time period. Weighting schemes may be applied to certain activities, controls, and/or user accounts. Further aspects relate to apparatuses configured to execute methods for ranking individual user accounts. Certain embodiments may not block transmissions that violate predefine rules, however, indications of such improper transmission may be considered when constructing a threat rating. Blocked transmissions enforced upon a user account may also be received. Certain activity, such as accessing the internet, may be monitored for the presence of a security threat and/or an ethics threat.

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

(21) Application No.2166/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :13/09/2012

(43) Publication Date: 11/04/2014

### (54) Title of the invention: SUPL 3.0 CONCEPT

(51) International classification	:H04L 29/08	(71)Name of Applicant :
(31) Priority Document No	:61/322,823	1)QUALCOMM INCORPORATED
(32) Priority Date	:10/04/2010	Address of Applicant :Attn: International IP Administration
(33) Name of priority country	:U.S.A.	5775 Morehouse Drive San Diego California 92121-1714
(86) International Application No	:PCT/US2011/031812	United States of America
Filing Date	:08/04/2011	(72)Name of Inventor:
(87) International Publication No	:WO/2011/127419	1)WACHTER Andreas K.
(61) Patent of Addition to Application	:NA	2)EDGE Stephen William
Number	:NA	3)LIN Ie-Hong
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Techniques for initiating and, if desired, modifying location services for Secure User Plane Location (SUPL) and other location architectures are described. To initiate SUPL service, a SUPL Location Platform (SLP) transmits a SUPL initial session message applicable to any service request to a SUPL enabled terminal (SET) and receives in response the service capabilities of the SET. The SLP selects and requests service from the SLP consistent with the service capabilities of the SLP that is consistent with the service capabilities received from the SLP. The SET and SLP communicate to determine a position estimate for the SET. The service may be modified before or while communicating between the SET and the SLP to determine a position estimate for the SET.

No. of Pages: 53 No. of Claims: 46

(21) Application No.2167/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application: 13/09/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD AND APPARATUS TO FACILITATE SUPPORT FOR MULTI-RADIO COEXISTENCE

(51) International classification	:H04B17/00, H04W68/00	(71)Name of Applicant: 1)QUALCOMM INCORPORATED
(31) Priority Document No	:61/319,322	Address of Applicant :Attn: International IP Administration
(32) Priority Date	:31/03/2010	5775 Morehouse Drive San Diego California 92121-1714
(33) Name of priority country	:U.S.A.	United States of America
(86) International Application No	:PCT/US2011/030530	(72)Name of Inventor:
Filing Date	:30/03/2011	1)DAYAL Pranav
(87) International Publication No	:WO/2011/123534	2)MANTRAVADI Ashok
(61) Patent of Addition to Application	:NA	3)KADOUS Tamer Adel
Number	:NA	4)AGASHE Parag Arun
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method of wireless communication includes identifying at least one current resource for which a coexistence issue is present. The method also includes submitting a message to a base station that includes information indicative of the coexistence issue for the current resource(s). The handover request may include information indicative of the resource for which the coexistence issue is present and/or a desired future resource.

No. of Pages: 44 No. of Claims: 41

(21) Application No.2439/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :02/09/2011

(43) Publication Date: 11/04/2014

### (54) Title of the invention: INDUSTRIAL FABRIC

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:099129249 :31/08/2010 :Taiwan :NA :NA :NA :NA :NA	_,
Filing Date	:NA	

### (57) Abstract:

An industrial fabric (3) includes a plurality of yarns (31, 32) extending in warp and weft directions and woven into a twill weave structure, which includes 200 2000 monofilament fibers (311) per inch in either one of the warp and weft directions. A degree of fineness of each monofilament fiber ranges from 50 deniers to 500 deniers. The industrial fabric (3) not only has good strengthbut also provides excellent water permeability.

No. of Pages: 28 No. of Claims: 11

(21) Application No.1799/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :20/07/2012

(43) Publication Date: 11/04/2014

### (54) Title of the invention: MAGNETIC SEPARATION OF RARE CELLS

(51) International classification	:C12M1/42,C12M1/00	(71)Name of Applicant:
(31) Priority Document No	:61/296905	1)BIOCEP LTD.
(32) Priority Date	:21/01/2010	Address of Applicant :P.O. Box 1008 13100 Safed Israel
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/IL2011/000068	1)LAMISH Aharon
Filing Date	:20/01/2011	2)KLEIN Ofer
(87) International Publication No	:WO 2011/089603	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	·IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A magnetic separation system configured to separate with high qualitative and quantitative yield magnetized cells from cell mixtures comprising at least one electromagnet structured to generate a magnetic field flux about a plurality of separation zones and sufficient to attract a majority of the magnetized cells in the mixture and a pump to drive the cell mixture at a controlled flow rate through a tube disposed within the zones thereby separating a majority of the magnetized cells from the mixture. The system is particularly useful to retrieve rare cells from a fluid mixture of cells having low abundance of the rare cells relative to the rest of the cells while sustaining viability of the cells.

No. of Pages: 34 No. of Claims: 39

(21) Application No.2178/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :14/09/2012 (43) Publication Date : 11/04/2014

## (54) Title of the invention: FILTERING ELEMENT AND METHOD FOR ITS MANUFACTURE

(51) International classification	:B01D29/11	(71)Name of Applicant:
(31) Priority Document No	:61/309,085	1)AMIAD WATER SYSTEMS LTD.
(32) Priority Date	:01/03/2010	Address of Applicant :Kibbutz Amiad 12335 D.N. Upper
(33) Name of priority country	:U.S.A.	Galil 1 Israel
(86) International Application No	:PCT/IL2011/000205	(72)Name of Inventor:
Filing Date	:01/03/2011	1)ZUR Boaz
(87) International Publication No	:WO/2011/107986	2)NURIEL Shahar
(61) Patent of Addition to Application	:NA	3)SHTEKELMACHER Ruven
Number	:NA	4)SABAG Yitzhak
Filing Date	.IVA	5)KOTLER Ami
(62) Divisional to Application Number	:NA	6)SHRAER Simeon
Filing Date	:NA	7)SHAMIR Yuval

## (57) Abstract:

The disclosed subject mailer is concerned with a screen-type filter element, and a method for its manufacture. The screen type filter comprises a substantially rigid screen-bearing skeleton and at least one fine screen sheet material extending within or over the skeleton and secured thereto by a plurality of enveloping ribs, the enveloping ribs being applied over one face of the filter screen sheet to thereby support it at discrete portions and secure it to the skeleton.

No. of Pages: 21 No. of Claims: 26

(21) Application No.2658/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :20/09/2011

(43) Publication Date: 11/04/2014

# (54) Title of the invention : A SEGMENTED SWITCHED RELUCTANCE MOTOR AS HUB DRIVE FOR AN ELECTRIC VEHICLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	7/00 :NA :NA :NA :NA :NA	71)Name of Applicant:  1)INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY Address of Applicant:POWAI,MUMBAI 400076, MAHARASHTRA,INDIA 72)Name of Inventor:  1)RALLABANDI VANDANA PRABHAKAR 2)NIKAM SAURABH PRAKASH 3)BAYLON G FERNANDES
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#### (57) Abstract:

Various embodiments of the present invention discloses a segmented switched reluctance motor as a hub drive for an electric vehicle, which comprises a segmented external rotor rotatably disposed over a cylindrical stator and adapted to be coupled to a driven part. The rotor comprises a plurality of discrete rotor segments made of a magnetic material and held together by a non—magnetic metal body. The stator is mounted on a stationary shaft and comprising a magnetic material body, wherein the stator comprises a plurality of alternately disposed thick and thin stator poles radially spaced apart around the circumference thereof and also comprise conductor coils wound around each thick stator pole to form a plurality of phase windings, and the rotor comprises an even number of rotor segments greater than the number of stator poles and non-multiple of the number of stator poles.

No. of Pages: 22 No. of Claims: 9

(21) Application No.2659/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :20/09/2011

(43) Publication Date: 11/04/2014

### (54) Title of the invention: AN ECOLOGICALLY ADAPTABLE POLYHOUSE.

(51) Intermetional alegatication	. 4.01.015/00	(71) Nome of Applicant
(51) International classification		(71)Name of Applicant :
(31) Priority Document No	:NA	1)EDKE RAJESH
(32) Priority Date	:NA	Address of Applicant :'SANKUL', UNIT 83-84,NEXT TO
(33) Name of priority country	:NA	DMH, ERANDWANA, PUNE-411004, MAHARASHTRA,
(86) International Application No	:NA	INDIA
Filing Date	:NA	2)EDKE SWAROOP
(87) International Publication No	:N/A	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)EDKE RAJESH
Filing Date	:NA	2)EDKE SWAROOP
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A roof top, balcony top, terrace and house backyard structure for providing controlled environment to plants located there includes at least one container, a covering, a support and a plurality of sensors. The at least one container holds and supports plants therein. The covering defines an interior space for at least partially enclosing plants and trapping air for the plants. The covering can be folded and unfolded for defining a closed configuration in which air is trapped inside the interior space by preventing egress of air from the interior space and at least a partially open configuration in which ingress and egress of air into the interior occurs. The support supports the covering. The plurality of sensors senses environment conditions in the interior space and give feedback for controlling ingress and egress of air into the interior space by folding and unfolding of the covering.

No. of Pages: 28 No. of Claims: 19

(21) Application No.2083/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :31/08/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: REPEATER-ASSISTED MANAGEMENT OF MACRO NETWORK COVERAGE

(51) International classification	:H04B7/26, H04W16/26	(71)Name of Applicant: 1)QUALCOMM INCORPORATED
(31) Priority Document No	:61/317,180	Address of Applicant : Attn: International IP Administration
(32) Priority Date	:24/03/2010	5775 Morehouse Drive San Diego California 92121-1714
(33) Name of priority country	:U.S.A.	United States of America
(86) International Application No	:PCT/US2011/029674	(72)Name of Inventor:
Filing Date	:23/03/2011	1)ESTEVES Eduardo S.
(87) International Publication No	:WO/2011/119767	2)GORE Dhananjay Ashok
(61) Patent of Addition to Application	:NA	3)MAKHIJANI Mahesh A.
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method of managing macro network coverage among a plurality of repeaters deployed to extend coverage of one or more base stations may include receiving feedback information from at least two repeaters indicative of macro network coverage at locations corresponding to each repeater, determining a coverage status of the macro network based on the feedback information, and sending a control signal to at least one repeater instructing the repeater to adjust one or more operating parameters based on the determined coverage status.

No. of Pages: 25 No. of Claims: 40

(21) Application No.2644/MUM/2011 A

(19) INDIA

(22) Date of filing of Application:19/09/2011

(43) Publication Date: 11/04/2014

# (54) Title of the invention : CRYSTALLINE FORM OF 2-AMINO-2-(2-(4-OCTYLPHENYL)ETHYL)-PROPANE-1, 3-DIOL AND PROCESS FOR ITS PREPARATION

	0070	(71) N 6 A 1
(51) International classification	233/18	(71)Name of Applicant:
(21) Priority Dogument No.	233/18 :NA	-,
(31) Priority Document No		Address of Applicant :ZYDUS TOWER,SATELLITE CROSS
(32) Priority Date	:NA	ROAD, AHMEDABAD-380 015, GUJARAT, INDIA
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)DWIVEDI SHRIPRAKASH DHAR
Filing Date	:NA	2)SHARMA,PIYUSH,RAJENDRANATH
(87) International Publication No	:N/A	
(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 polymorphic form of 2-amino-2-(2-(4-octylphenyl)ethyl)-propane-1,3-diol. In particular, it relates to a crystalline form of 2-amino-2-(2-(4-octylpheny\)ethy\ypropane-1,3-dio\ and processes for its preparation.

No. of Pages: 40 No. of Claims: 26

(21) Application No.2644/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: TRACKING AND DELIVERY CONFIRMATION OF PHARMACEUTICAL PRODUCTS

(51) International classification	:G06F19/3462, G06F19/3468,	(71)Name of Applicant: 1)PROTEUS DIGITAL HEALTH INC.
(31) Priority Document No	:61/346,035	Address of Applicant :2600 Bridge Parkway Suite 101
(32) Priority Date	:19/05/2010	Redwood City California 94065 United States of America
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2011/037236	1)THOMPSON Todd
Filing Date	:19/05/2011	2)ARNE Lawrence
(87) International Publication No	:WO/2011/146767	3)OMIDVAR Fataneh
(61) Patent of Addition to Application	:NA	4)BEHZADI Yashar
Number	:NA	5)DUCK Robert
Filing Date	.IVA	6)DICARLO Lorenzo
(62) Divisional to Application Number	:NA	7)MOON Gregory
Filing Date	:NA	

#### (57) Abstract:

A system and method are disclosed that track a deliverable to a user. The system includes an identifier or tag secured to the deliverable, a computer system for interrogating the identifier, and a personal device in communication with the computer system, wherein the personal device is held by the user at the time the user is administered the deliverable to detect the unique identity associated with the identifier device and confirms delivery of the deliverable to the user. The method includes attaching an identifiable tag that produces a unique signature to the deliverable, interrogating the tag at about the time of delivery to the user, and confirming that the user has been administered the deliverable through detecting the identifiable tag.

No. of Pages: 51 No. of Claims: 52

(21) Application No.2647/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :27/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : GRAIN ORIENTED ELECTRICAL STEEL SHEET AND METHOD FOR MANUFACTURING THE 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 (12) Patent of Addition Number Filing Date (13) Name of priority country Filing Date (14) Patent of Patent of Addition Number Filing Date (15) International Publication No Filing Date (16) Patent of Addition to Application Filing Date (17) Patent of Addition Number Filing Date (18) Priority Document No Filing Date (19) Patent of Addition Number 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)OMURA Takeshi 2)TODA Hiroaki 3)YAMAGUCHI Hiroi 4)OKABE Seiji
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### (57) Abstract:

The present invention provides a grain oriented electrical steel sheet which is subjected to magnetic domain refinement by laser irradiation and has magnetic flux density B8 of at least 1.91T, characterized in that nitrogen content in forsterite coating is suppressed to 3.0 mass % or less. The grain oriented electrical steel sheet of the present invention well satisfies recent demand for iron loss reduction.

No. of Pages: 23 No. of Claims: 5

(21) Application No.2765/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :29/09/2011

(43) Publication Date: 11/04/2014

### (54) Title of the invention: SUGARCANE HARVESTING MACHINE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	5/10 :NA :NA	(71)Name of Applicant:  1)ZINGE, RAGHUNATH  Address of Applicant: C/O TRIMURTI  FABRICATION,SHETPHAL, TAL.MOHOL,DIST-SOLAPUR-
(33) Name of priority country	:NA	413324, MAHARASHTRA,INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ZINGE, RAGHUNATH
(87) International Publication No	:N/A	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A sugarcane harvesting machine including a cutting assembly, a leaves removing assembly and a packaging assembly, is disclosed. The cutting assembly performs cutting of sugarcane. The cutting assembly includes a plurality of adjustable panels, at least one inclined gear set and at least one cutter. The leaves removing assembly removes leaves of sugarcane and chops the removed leaves into small pieces. The leaves removing assembly includes at least one roller set and at least one leaves removing stage. The packaging assembly bundles and packages sugarcane received from the at least one leaves removing assembly. The packaging assembly includes an extendable hopper, a baffle mechanism, an elongated extendable table and a strapping machine.

No. of Pages: 42 No. of Claims: 8

(21) Application No.2660/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : MATRIX CONNECTION DEVICE FOR PHOTOVOLTAIC PANELS AND/OR WIND TURBINESUS

(51) International classification	:H02J 3/38,	(71)Name of Applicant:
(51) International elassification	G05F1/67	1)AEG POWER SOLUTIONS B.V.
(31) Priority Document No	:1054419	Address of Applicant :Weerenweg 29 NL-1161 AG
(32) Priority Date	:04/06/2010	ZWANENBURG (THE NETHERLANDS) Netherlands
(33) Name of priority country	:France	(72)Name of Inventor:
(86) International Application No	:PCT/FR2011/051256	1)DELAY Christian
Filing Date	:01/06/2011	2)UHL Nicolas
(87) International Publication No	: WO/2011/151599	3)ESTOP Pascal
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abatmat		I .

#### (57) Abstract:

Matrix connection device placed between n photovoltaic panels and/or wind turbines (PV1, PV2, PVn) and n power converters (C1, C2, Cn) with the aim of powering a common load (10), comprising: n matrix circuit breakers (11, 12 to In) each comprising n linking switches (Ki1, Ki2 to Kin), the outputs of which are connected together and the n inputs of which are connected to the n outputs of said photovoltaic panels and/or wind turbines; at least one additional circuit breaker comprising n switches (Kn+11, Kn+1i2 to Kn+1n), the outputs of which are connected together and the n inputs of which are respectively connected to the n outputs of unidirectional power supplies; and a command/control circuit (14) for turning on the power converters or not turning them on, depending on the power available at each of the photovoltaic panels and/or wind turbines, and then for keeping them powered or deactivated, depending on the power consumed by each of them.

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

(21) Application No.2661/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention : ALKALI SWELLABLE ACRYLIC EMULSIONS COMPRISING ACRYLIC ACID USE THEREOF IN AQUEOUS FORMULATIONS AND FORMULATIONS CONTAINING SAME

(51) International classification 1)COATEX S.A.S. (31) Priority Document No:10 55077 Address of Applicant :35 rue Amp"re 69730 Genay France (72)Name of Inventor: (32) Priority Date :25/06/2010 (33) Name of priority 1)SUAU Jean Marc :France country (86) International :PCT/IB2011/001285 Application No :08/06/2011 Filing Date (87) International :WO 2011/161508 **Publication No** (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to :NA **Application Number** 

#### (57) Abstract:

Filing Date

The invention relates to novel alkali swellable thickening emulsions free from methacrylic acid which monomer has been hitherto indispensable making manufacturers dependent on this raw material. Said novel emulsions contain a certain amount of 2 acrylamido 2 methylpropanesulfonic acid (or AMPS CAS number: 40623 75 4). In addition these emulsions can be produced in the absence of surfactant thereby preventing the formation of foam. Moreover said emulsions are proven to be effective for the thickening of aqueous media in particular media having a pH of between 5 and 6 such as the skin.

No. of Pages: 22 No. of Claims: 16

:NA

(21) Application No.2932/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :05/10/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: A HORN ASSEMBLY AND A METHOD OF ASSEMBLING THEREOF

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G10K9/00, G10K9/20 :NA :NA :NA :NA :NA :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: 1)VIVEK MANOHAR DAHAKE 2)ATUL VASANT BHIDE 3)SUSHIL SUBHASH GHUGARE 4)VILAS KASHINATH JADHAV 5)DEEPAK RAMGOVIND ASTHANA
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## (57) Abstract:

The present disclosure relates to electric horn assembly, more particularly relates to horn assembly comprising balanced diaphragm for its operation. The horn assembly comprises double set of contacts inside the horn assembly. Another set of contact are so placed that the loading on the diaphragm is balanced. Also, a non polarized capacitor across the contacts is provided to suppress high voltage produced due to self inductance in electromagnet of the horn assembly. The contacts are configured opposite to each other for balancing load on the diaphragm and to divide the electromagnetic load current through two contacts instead of one. The balanced load reduces chances of early failure of the horn assembly and increases the life of horn.

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

(21) Application No.2934/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : STABLE INJECTABLE PHARMACEUTICAL COMPOSITION OF EPINEPHRINE OR SALTS 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>	A61K31/00 :NA :NA :NA :NA	Address of Applicant :D-4 MIDC Industrial area Chikalthana Aurangabad - 431210 MAHARASHTRA,INDIA (72)Name of Inventor : 1)Gupta Amit
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA : NA :NA :NA	2)Nagori Rajendra Nandlal 3)Merwade Arvind Yekanathsa 4)Deo Keshav 5)Jain Girish Kumar

#### (57) Abstract:

There is provided a stabilized injectable pharmaceutical composition of epinephrine or salts thereof comprising sodium metabisulfite wherein the ratio of the amount of epinephrine or salt thereof to sodium metabisulfite in the composition ranges from about 1:0.005 to about 1:1.5 by weight. It has been observed that stable injectable epinephrine compositions with excellent storage stability and substantially free of overages can be prepared using sodium metabisulfite in said ratios. Particularly it was found that using sodium metabisulfite in said ratios controls levels of adrenaline sulfonate impurity in said pharmaceutical compositions.

No. of Pages: 20 No. of Claims: 9

(21) Application No.2103/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :04/09/2012

(43) Publication Date: 11/04/2014

### (54) Title of the invention: WIRELESS TRACKING 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>	:G08B 25/01 :61/318,722 :29/03/2010 :U.S.A. :PCT/US2011/030401 :29/03/2011 :WO/2011/123475 :NA :NA	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121-1714 United States of America (72)Name of Inventor:  1)FETZER Dudley K.  2)DOYLE Thomas F.
(62) Divisional to Application Number Filing Date	:NA :NA	
* *		

## (57) Abstract:

An apparatus and method for a. tracking device, to inconspicuously track a person to be monitored (such as a child or at-risk adult) are presented. Some embodiments of the present invention combine a positioning receiver (e.g., a GPS receiver) and a locking mechanism to act as a tracking device, which attaches to an article of clothing or fabric wearable by the person to be monitored. Some embodiments of the present invention keep a positioning receiver and a radio frequency identification tag (RFID tag) or other RF tag, which are physically separate but in RF proximity of each other.

No. of Pages: 47 No. of Claims: 42

(21) Application No.2670/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : SURFACE TREATMENT LIQUID FOR ZINC OR ZINC ALLOY PLATED STEEL SHEET, ZINC OR ZINC ALLOY PLATED STEEL SHEET, AND METHOD OF PRODUCING THE STEEL SHEET

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:C23C22/83, C23C22/73 :2010-143713	(71)Name of Applicant:  1)JFE STEEL CORPORATION  Address of Applicant: 2-3 Uchisaiwai-cho 2-chome Chiyoda-
(32) Priority Date	:24/06/2010	ku Tokyo 1000011 Japan.
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:PCT/JP2011/003596	,
Filing Date	:23/06/2011	2)OKAI Kazuhisa
(87) International Publication No	:WO/2011/161968	3)MATSUDA Takeshi
(61) Patent of Addition to Application Number	:NA	4)MATSUZAKI Akira
Filing Date	:NA	5)ANDO Satoru
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

According to the present invention, a zinc or zinc alloy plated steel sheet which is excellent in not only appearance after press molding and corrosion resistance but also oil-retaining properties in a high-temperature environment or a high-temperature and high-humidity environment can be obtained by forming on the steel sheet a film having a coating quantity in terms of zirconium content per one surface in the range of 10 to 200 mg/m2 by: coating the steel sheet with a surface treatment liquid containing (A) a water-soluble zirconium compound, (B) a water-dispersible silica fine particles, (C) a silane coupling agent, (D) a vanadic acid compound, (E) a phosphoric acid compound, (F) a nickel compound, (G) an acrylic resin emulsion, and (H) an organopolysiloxane compound at specifically adjusted ratios, respectively; and then drying the steel sheet thus coated by heating.

No. of Pages: 37 No. of Claims: 5

(21) Application No.2944/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD OF MAKING SILHOUETTE WITH IRON NAILS

<ul> <li>(51) International classification</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>	1/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)WAJID KHAN  Address of Applicant:235 NEW SWARNA BAGH, GALI  NO. 3, NEAR MALVIYE NAGAR MASJID, KHAJRANA,  RING ROAD, INDORE Madhya Pradesh India  (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)WAJID KHAN
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A method of making silhouette with iron nails is disclosed. A method for producing silhouettes by using iron nails of varying size. Darker and lighter shades are controlled through density of iron nails. Using nails and hammers invention allows making works with texture and depth as well. Textures and patterns are achieved in several ways. Using the same type of nails driven to the same depth gives a uniform pattern, while driving the nails to differing heights will give depth and pattern variations. Using different sizes and types of nails will create other styles of pattern variations.

No. of Pages: 7 No. of Claims: 5

(21) Application No.2946/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : BUNDLED CABLE FOR PROVIDING DATA AND VOICE SERVICES TO MULTIPLE SUBSCRIBERS

	:H01B	(71)Name of Applicant:
(51) International classification	13/00,	1)Sterlite Networks Limited
	H01B7/30	Address of Applicant :Survey No. 68/1 Rakholi Village
(31) Priority Document No	:NA	Madhuban dam road Silvassa 396230 Dadra & Nagar Haveli
(32) Priority Date	:NA	India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)Jain Vijay
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:

Disclosed is a bundled cable for providing data and voice related services to multiple subscribers in a communication network. The bundled cable comprises a securing means a plurality of cylindrical tubes placed adjacent to each other within the tubular enclosure and a plurality of communication cables for providing services to multiple subscribers. The plurality of communication cables are placed adjacent to each other within each of the plurality of cylindrical tubes. Further each of the plurality of cylindrical tubes and plurality of communication cables have an identification marking for enabling easy identification thereof and association thereof.

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

(21) Application No.2074/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/08/2012

(43) Publication Date: 11/04/2014

### (54) Title of the invention: VEHICLE WITH EXTERNAL CHARGING

(51) International classification	:B60K15/05, B60L9/00	(71)Name of Applicant: 1)TOYOTA JIDOSHA KABUSHIKI KAISHA
(31) Priority Document No	:2010-045568	Address of Applicant: 1 Toyota-cho Toyota-shi Aichi-ken
(32) Priority Date	:02/03/2010	471-8571 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:PCT/IB2011/000418	1)MASUDA Tomokazu
Filing Date	:01/03/2011	
(87) International Publication No	:WO/2011/107851	
<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:

A vehicle can be charged by receiving electric power from an external power supply apparatus (600) via a charging cable (450) and includes an inlet (220), a lid (250) for protecting the inlet (220), and an electricity storage device (110). The iniel (220) includes a C terminal (227) for detecting connection to the power supply apparatus (600) and a G terminal that is connected to the body earth of the vehicle (100). The lid (250) is configured to electrically connect between the C terminal (227) and the G terminal (223) when the lid (250) is closed. The vehicle (100) further includes a PLG-ECU (350) that detects whether the lid (250) is open or closed, based on the voltage of the C terminal (227).

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

(21) Application No.2733/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :28/09/2011

(43) Publication Date: 11/04/2014

### (54) Title of the invention: SYSTEM AND METHOD FOR DATABASE PRIVACY PROTECTION.

<ul> <li>(51) International classification</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>	30/00 :NA :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 (72)Name of INVENTOR:
Filing Date (87) International Publication No	:NA :N/A	1)UKIL , ARIJIT 2)SEN, JAYDIP
(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 system and a method for privacy preservation of sensitive attributes stored in a database. The invention reduces the complexity and enhances privacy preservation of the database by determining the distribution of sensitive data based on Kurtosis measurement. The invention further determines and compares the optimal value of K-sensitive attributes in k-anonymity data sanitization model with the optimal value of / sensitive attributes in / diversity data sanitization model using adversary information gain. The invention reduces the complexity of the method for preserving privacy by applying k anonymity only, when the distribution of the sensitive data is leptokurtic and optimal value of / is greater than the optimal value of /.

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

(21) Application No.2638/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :16/09/2011 (43) Publication Date : 11/04/2014

### (54) Title of the invention: SYSTEMS AND METHODS FOR GENERATING OR STORING ELECTRICAL ENERGY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:H02J 3/38 :NA :NA :NA	(71)Name of Applicant:  1)MISHRA Chaitanya Address of Applicant: 7 Ramtirth Apt. Kala nagar Jai Road Nasik Road - 422101 MAHARASHTRA,INDIA 2)SALVE Vikas 3)KULKARNI Vedant
Filing Date	:NA	4)PATHAK Ashish
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number</li></ul>	: NA :NA	(72)Name of Inventor: 1)MISHRA Chaitanya
Filing Date (62) Divisional to Application Number	:NA :NA	2)SALVE Vikas 3)KULKARNI Vedant
Filing Date	:NA	4)PATHAK Ashish

### (57) Abstract:

A system for generating and / or storing electrical energy, said system comprising: at least a ring magnet adapted to be located about a shaft; at least a first additional magnet adapted to be located, within a pre-defined proximity, in an operative forward direction, in relation to said at least a ring magnet, such that the magnetic fields of said at least a ring magnet and said first additional magnet provide an attracting magnetic field; at least a second additional magnet adapted to be located, within a pre-defined proximity, in an operative rearward direction, in relation to said at least a ring magnet, such that the magnetic fields of said at least a ring magnet and said second additional magnet provide an opposing magnetic field, wherein, said positioning of said at least a ring magnet, said at least a first additional magnet, and said at least a second additional magnet provide for angular momentum for angular displacement of said shaft about its longitudinal axis; and energy conversion means to convert angular displacement of said shaft into useful energy.

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

(21) Application No.2908/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :03/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : A METHOD AND APPARATUS FOR SOLAR PV-WIND INTEGRATION SYSTEM WITH OPTIMAL NUMBER OF POWER CONVERTERS AND INHERENT SYSTEM STABILITY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F03D9/00, F03D1/00 :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Indian Institute of Technology Bombay Address of Applicant: Powai Mumbai 400076 Maharashtra India (72)Name of Inventor: 1)Rupesh Ganpatrao Wandhare 2)Vivek Agarwal
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#### (57) Abstract:

A method and apparatus for a hybrid solar PV-wind integration system with optimal number of power converters is disclosed. The method uses one converter less compared to standard PV / wind system. A grid side power converter of DFIG is used to condition power of the PV source and to feed it into the grid. The PV source is protected with anti blocking diodes and DC circuit breaker. The wind turbine is kept in running condition below wind cutoff speed using a small amount of PV power. The method allows the interfacing of a higher rating PV source than the grid side converter rating by injecting part of the PV power into the rotor circuit during low operating speeds. The circulating power during low wind speed in the conventional DFIM is significantly reduced in this hybrid combination which results in further enhancement in the overall system efficiency.

No. of Pages: 33 No. of Claims: 18

(21) Application No.2044/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :24/08/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : METHODS AND APPARATUS FOR TIME SYNCHRONIZATION AND MEASUREMENT OF POWER DISTRIBUTION SYSTEMS

Filing Date :22/02/20	1)QUALCOMM INCORPORATED Address of Applicant :Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121-1714 United States of America (72)Name of Inventor:
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### (57) Abstract:

Methods and apparatus for time synchronization and measurement of power distribution systems. A method includes receiving a synchronized wireless communication signal, synchronizing- to the synchronized wireless communication signal to produce synchronized time, performing one or more power distribution measurements based on the synchronized time to produce synchronized power distribution measurements to a power control center. An apparatus includes a receiver configured to receive a synchronized wireless communication signal and to synchronize to the synchronized wireless communication signal to produce synchronized time, a measurement module configured to perform one or more power distribution measurements based on the synchronized time to produce synchronized power distribution measurements, and a transmitter configured to transmit the synchronized power distribution measurements to a power control center.

No. of Pages: 37 No. of Claims: 64

(21) Application No.2662/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : SURFACTANT FREE ALKALI SWELLABLE ACRYLIC EMULSIONS USE THEREOF IN AQUEOUS FORMULATIONS AND FORMULATIONS CONTAINING SAME

(62) Divisional to Application Number :NA Filing Date :NA		:10/06/2011 :WO 2011/161511 :NA :NA :NA	(71)Name of Applicant:  1)COATEX S.A.S.  Address of Applicant:35 rue Amp"re Z.I. Lyon Nord F 69730  Genay France (72)Name of Inventor:  1)SUAU Jean Marc
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#### (57) Abstract:

The invention relates to novel alkali swellable thickening emulsions containing no surfactants or solvents other than water thereby avoiding all of the inconveniences associated with the use of solvents or with the formation of foam in the case of surfactants. Said novel emulsions contain a certain amount of 2 acrylamido 2 methylpropanesulfonic acid (or AMPS CAS number: 40623 75 4). These emulsions are proven to be effective for the thickening of aqueous media such as aqueous paints paper coating slips aqueous suspensions of mineral materials detergents cosmetic formulations or formulations containing a hydraulic binder.

No. of Pages: 22 No. of Claims: 17

(21) Application No.2664/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: PURINONE DERIVATIVE

(51) International classification	:C07D487/00, A61K31/54	(71)Name of Applicant: 1)ONO PHARMACEUTICAL CO. LTD.
(31) Priority Document No	:2010-123727	Address of Applicant :1-5 Doshomachi 2-chome Chuo-ku
(32) Priority Date	:31/05/2010	Osaka-shi Osaka 5418526 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:PCT/JP2011/062377	1)YAMAMOTO Shingo
Filing Date	:30/05/2011	2)YOSHIZAWA Toshio
(87) International Publication No	:WO/2011/152351	
<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:

Compounds represented by general formula (I) (all of the symbols in the formula conform to the definitions in the Description) are compounds that, in addition to having a Btk-selective inhibitory activity, exhibit an excellent metabolic stability and can avoid hepatotoxicity or the like, and as a consequence can provide safe therapeutic agents for diseases in which B cells or mast cells participate.

No. of Pages: 94 No. of Claims: 17

(21) Application No.2667/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :30/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : A METHOD OF LOCATING INTERNAL ARCING IN A GAS-INSULATED LINE AND AN ASSOCIATED 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>	:G06F17/00, G01R31/08 :10 54991 :23/06/2010 :France :PCT/EP2011/060537 :23/06/2011 : WO/2011/161210 :NA :NA	(71)Name of Applicant:  1)ALSTOM Technology Ltd Address of Applicant:Brown Boveri Strasse 7 CH-5400 Baden Switzerland. (72)Name of Inventor:  1)JUGE Patrice 2)GRANELLI Guillaume
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a method and a device for locating internal arcing that occurs in a compartment (CPi) of a gas-insulated line (L), each compartment being provided with at least one pressure sensor (Pi). The method comprises: triggering pressure measurements in a compartment as soon as the difference between the currents that flow through two current toroids (TCi) around two adjacent compartments exceeds a threshold value indicating the occurrence of internal arcing in the compartment; calculating a period Dt that separates the time at which the pressure detector began to detect a pressure variation and the time at which the internal arcing occurred; and calculating a distance d that separates the place at which the internal arc is formed from the position of the pressure sensor using the equation d = V/Dt in which V is the speed of sound in the gas.

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

(21) Application No.2942/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: A NOVEL PROCESS FOR THE PREPARATION OF MILNACIPRAN HYDROCHLORIDE

<sup>(57)</sup> Abstract:

The present invention relates to a novel intermediate compounds represented by structural formula I and their uses for the preparation of substantially pure Milnacipran hydrochloride compound represented by structural formula II.

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

(21) Application No.2641/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :19/09/2011 (43) Publication Date : 11/04/2014

# (54) Title of the invention: CLEANING COMPOSITION FOR FARM PRODUCE

<ul> <li>(51) International classification</li> <li>(31) 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>	:C11D 1/00 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)AUTODYNAMIC ENGINEERING PRIVATE LIMITED Address of Applicant: H-402, PINNAC KANCHANGANGA, D.P. ROAD, AUNDH, PUNE - 411007 MAHARASHTRA,INDIA (72)Name of Inventor: 1)SANDEEP HIRU JAISINGHANI
(87) International Publication No	:N/A	
(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 cleaning composition adapted to remove chemicals like pesticides, preservatives, artificial ripeners, soil, dirt and wax from the fruits and vegetables than washing with water alone. The cleaning composition of the present invention kills harmful bacteria such as E. Coli, Salmonella Species., Staphylococcus aureus, and Listeria which are associated with food-borne illness. The cleaning composition of the present invention completely washes away with no residual taste, leaving the natural taste of fruits and vegetables. The cleaning composition of the present invention is usable in various segments including but not limited to households, commercial establishments, farms, food processing industries and packaging industries.

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

(21) Application No.2750/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :29/09/2011

(43) Publication Date: 11/04/2014

# (54) Title of the invention: ROGUE VEHICLE DETECTION

(51) International classification	:G06F 17/00	(71)Name of Applicant: 1)TATA CONSULTANCY SERVICES LIMITED
(31) Priority Document No	:NA	Address of Applicant :Nirmal Building 9th Floor Nariman
(32) Priority Date	:NA	Point Mumbai MAHARASHTRA,INDIA
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)Purushothaman Balamuralidhar
Filing Date	:NA	2)Bhattachar Rajan Mindigal Alasingara
(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		<b>-</b>

# (57) Abstract:

The present subject matter relates to a method for rogue vehicle detection. The method includes receiving at least one violation report for a vehicle from at least one mobile communication device. The at least one violation report is indicative of a traffic violation made by the one or more vehicles. The method further includes categorizing the vehicle as a rogue vehicle, based on at least one rogue vehicle detection metric, the at least one rogue vehicle detection metric being determined from the violation report. The method also includes compiling a traffic observation record based on at least one of the violation report and the rogue vehicle detection metric.

No. of Pages: 30 No. of Claims: 20

(21) Application No.2054/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :27/08/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: PURINE COMPOUNDS

(51) International classification	:C07D473/00, C07D471/04	(71)Name of Applicant: 1)ELI LILLY AND COMPANY
(31) Priority Document No	:61/319,521	Address of Applicant :Lilly Corporate Center City of
(32) Priority Date	:31/03/2010	Indianapolis State of Indiana 46285 United States of America.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2011/030131	1)Peter Charles ASTLES
Filing Date	:28/03/2011	2)Rossella GUIDETTI
(87) International Publication No	:WO/2011/123372	3)Sean Patrick HOLLINSHEAD
(61) Patent of Addition to Application	:NA	4)Adam Jan SANDERSON
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A compound of the formula (I) and pharmaceutical compositions for the treatment or prevention of pain. A compound of the formula (I) and pharmaceutical compositions for the treatment or prevention of pain.

No. of Pages: 47 No. of Claims: 22

(21) Application No.2935/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF HIGHLY PURE BENZOIC ANHYDRIDE

<ul> <li>(51) International classification</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>	C07C67/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)HERBERT BROWN PHARMACEUTICAL & RESEARCH LABORATORIES  Address of Applicant: W-256/257/258A, M.I.D.C. PHASE II, SHIVAJI UDYOG NAGAR, DOMBIVLI (E)-421203, DISTRICT- THANE, MAHARASHTRA,INDIA
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	(72)Name of Inventor: 1)GUND, VITTHAL GENBHAU 2)BHOSALE, SHYAM MAHARU 3)SONTAKKE, KANCHAN KANTILAL 4)MOHITE, VAIBHAV GORAKSHANATH

# (57) Abstract:

The present invention relates to improved process for the preparation of highly pure benzoic anhydride of Formula I comprising, reacting benzoyl chloride with acetic anhydride at 90-120°C with removal by distillation of acetyl chloride and unreacted benzoyl chloride; cooling the reaction mixture to 40-60°C and adding a C6-C9 hydrocarbon; cooling the mixture to 0-15°C to crystallize out benzoic anhydride of Formula I having HPLC purity equal to or more than 98%; and recrystallizing the benzoic anhydride using a C6-C9 hydrocarbon as solvent to obtain benzoic anhydride of Formula I having HPLC purity of more than 99%.

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

(21) Application No.2624/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :16/09/2011

(43) Publication Date: 11/04/2014

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF STABLE LAMIVUDINE FORM-I

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07D 411/00 :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)ARCH PHARMALABS LIMITED  Address of Applicant: H WING,4TH FLOOR,TEX  CENTRE,OFF SAKI VIHAR  ROAD,CHANDIVALI,ANDHERI(EAST),MUMBAI-400 072,  Maharashtra India  (72)Name of Inventor:  1)JAGTAP VIKRAM SARJERAO  2)RANBHAN KAMLESH JAYANTILAL
Filing Date	:NA	2)RANBHAN KAMLESH JAYAN IILAL
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

Disclosed herein is an efficient and industrially viable process for the preparation of stable crystalline Form-I of Lamivudine comprising heating lamivudine in solid powdered, amorphous or any other crystalline form in an alcoholic solvent preferably methanol upto its reflux temperature to obtain a suspension and to the said suspension whilst heating about 0.5% to about 5% (based on quantity of alcoholic solvent) of water is added to obtain a clear solution which is cooled to separate stable crystalline lamivudine Form I which is filtered and dried.

No. of Pages: 22 No. of Claims: 6

(21) Application No.2625/MUM/2011 A

(19) INDIA

(22) Date of filing of Application:16/09/2011

(43) Publication Date: 11/04/2014

# (54) Title of the invention : DOWNWARD PRESSING MESH MECHANISM AND SINKER THEREOF FOR FLAT KNITTING MACHINES

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li><li>(86) International Application No</li></ul>	:D04B 15/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)PAI LUNG MACHINERY MILL CO.,LTD. Address of Applicant: NO.8,TING-PING RD.,RUIFANG DISTRICT,NEW TAIPEI CITY,TAIWAN (72)Name of Inventor: 1)YI CHEN CHEN
Filing Date (87) International Publication No	:NA :N/A	2)KAI YING CHENG 3)JIAN-HAO PENG
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A downward pressing mesh mechanism and sinker thereof for flat knitting machines in which the downward pressing mesh mechanism includes a needle seat (10) containing a bearing surface (11) to hold a plurality of sinkers (7) and knitting needles (8) separated by spacers (3) and a cam holder (2) located above the sinkers (7) to hold a cam (20), The cam (20) has a guide track (21) to drive the sinkers (7) swinging. The spacers (3) are vertically run through by a bracing shaft (4) at a lower side. Each sinker (7) includes a yarn pressing portion (75) to press a yarn to form a mesh, a swing guide portion (70) driven by the guide track (21) and a shaft rotating recess (73) to couple with the bracing shaft (4). The sinker (7) thus structured is simpler and durable, hence can be produced and assembled, or repaired and replaced easier and faster. Thus manpower and material costs can be reduced, and product prices also are decreased to meet market requirements.

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

(21) Application No.2627/MUM/2011 A

(19) INDIA

(22) Date of filing of Application :16/09/2011 (43) Publication Date : 11/04/2014

# (54) Title of the invention: SOLID ANTIRETROVIRAL COMPOSITION FOR ORAL 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 Filing Date</li> </ul>	:A61K 31/00 :NA :NA :NA :NA	(71)Name of Applicant:  1)VAVIA PRADEEP RATILAL  Address of Applicant: DEPARTMENT OF PHARMACEUTICAL SCIENCES AND TECHNOLOGY, INSTITUTE OF CHEMICAL TECHNOLOGY (DEEMED UNIVERSITY) NATHALAL PARIKH MARG, MATUNGA (EAST) MUMBAI 400 019, Maharashtra India
(87) International Publication No (61) Patent of Addition to Application Number	:N/A :NA	(72)Name of Inventor:  1)VAVIA PRADEEP RATILAL
Filing Date	:NA	2)GOYAL GAURAV HARSHVARDHAN
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The present invention provides a solid antiretroviral composition for oral administration containing one or more antiretroviral drugs, such as protease inhibitors for example lopinavir, ritonavir or a combination thereof with one or more excipients. The invention provides a composition which is smaller in size and weight for a given amount of said active substance, possesses fast dissolution and disintegration property with enhanced bioavailability and a process for preparing the composition. The present invention also provides an antiretroviral solid oral composition comprising one or more antiretroviral drugs, for example protease inhibitors such as lopinavir, ritonavir or a combination thereof with cyclodextrin as complexing agent used for enhancing bioavailability wherein the ratio of drug to cyclodextrin in the composition ranges from about 1:1 to about 1:10 on molar basis and a process for preparing the composition.

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

(21) Application No.2918/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :04/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD AND SYSTEM FOR TESTING AN APPLICATION

(51) International classification :G06F11/36 (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 (62) Divisional to Application Number :NA Filing Date :NA Filing Date :NA	(71)Name of Applicant:  1)TATA CONSULTANCY SERVICES LIMITED Address of Applicant: Nirmal Building 9th Floor Nariman Point Mumbai 400021 Maharashtra India (72)Name of Inventor: 1)N Kumaresan 2)THULASIDOSS Anuradha 3)PARAMESWARAN Ramachandran 4)UMASHANKAR Nishanth 5)MURALI Ramanathan 6)UTHAYAKUMAR Parasuraman 7)MURALIBABU Giridhar
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# (57) Abstract:

A computing system and a computer implemented method for testing an application are described. The method includes receiving definitions for each of a plurality of test cases, wherein each of the plurality of test cases is marked with keywords. The method further includes generating, base on the definitions, the plurality of test cases corresponding to a plurality of business scenarios related to the application. The method further includes selecting a test automation tool for executing the plurality of test cases. The method further includes invoking a keyword interpreter, wherein the keyword interpreter maps the appropriate keywords to at least one command corresponding to the test automation tool being selected. The method further includes executing, based on the at least one command, the plurality of test cases on the application in a batch through the test automation tool being selected.

No. of Pages: 19 No. of Claims: 17

(21) Application No.2952/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :09/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : A METHOD TO EXTRACT MAXIMUM POWER FROM A PARTIALLY SHADED PV ARRAY USING UNIFIED SHUNT-SERIES COMPENSATION TECHNIQUE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H01L29/00, H02J7/35, H01L31/04 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Indian Institute of Technology Bombay Address of Applicant:Powai Mumbai 400076 MAHARASHTRA,INDIA (72)Name of Inventor: 1)Vivek Agarwal 2)Pooja Sharma
• •		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The embodiments herein relate to Solar panels, more particularly relates to a method and apparatus for PV modules to operate at its maximum power point (MPP) voltage and to deliver maximum power under partial shaded conditions. In each string of a photovoltaic array, current compensators are connected in parallel to each module present in the string. Further, in each string, a voltage compensator is connected in series. When the photovoltaic cell is under shading conditions, an intelligent controller, using an intelligent string controller (ISC) and an intelligent array controller (IAC), generates a compensating current value and a compensating voltage value respectively. Further, the current compensator and the voltage compensator modules provides current and voltage compensation base on the compensating current value and a compensating voltage value respectively, thereby improving power output of the overall photovoltaic array.

No. of Pages: 52 No. of Claims: 19

(21) Application No.2114/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :06/09/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD AND APPARATUS FOR PROCESSING AND RECONSTRUCTING DATA

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:15/03/2011 : WO/2011/116018 :NA :NA	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121-1714 United States of America (72)Name of Inventor:  1)GARUDADRI Harinath 2)BAHETI Pawan K. 3)MAJUMDAR Somdeb
- 10		3)MAJUMDAR Somdeb

# (57) Abstract:

Certain aspects of the present disclosure relate to a method for quantizing signals and reconstructing signals and/or encoding or decoding data for storage or transmission. Points of a signal may be determined as local extrema or points where an absolute rise of the signal is greater than a threshold. The tread and value of the points may be quantized and certain of the quantizations may be discarded before the quantizations are transmitted. After being received the signal may be reconstructed from the quantizations using an iterative process.

No. of Pages: 93 No. of Claims: 104

(21) Application No.2972/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :10/10/2012 (43) Publication Date : 11/04/2014

# (54) Title of the invention: A MORTISE LOCKING 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</li></ul>	:E05B17/04, E05B65/06 :NA :NA :NA :NA	(71)Name of Applicant:  1)GODREJ & BOYCE MFG. CO. LTD.  Address of Applicant:LOCKS DIVISION (PLANT-18)  PIROJSHANAGAR, VIKHROLI, MUMBAI - 400 079,  MAHARASHTRA,INDIA  (72)Name of Inventor:
Filing Date (87) International Publication No	:NA : NA	1)THOTTUVAI SIVASUBRAMANI MURALI
(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 mortise lock with push button operated pin cylinder privacy mechanism, the mortise lock comprising: a plurality of first locking pin assembly, the each first locking pin assembly comprising an operating pin (14), a driver pin (15), a plug pin (17) and driver spring (16); a second locking pin assembly comprising steel ball (18) and a ball catch spring (19); a third locking pin assembly comprising locking pin (21) and locking pin spring (20); a locking cylinder (7) having plurality of openings to retain the operating pins (14) and the driver pins (15), the locking cylinder (7) comprise s a key receiving slot (7a) at one end and a cutout (7b) at the other end; a cylinder buffer (8) having shape suitable for being fitted in the cutout (7b) of the locking cylinder (7); a knob assembly (100) comprising knob (2), push rod (3), knob spindle (4), retaining spring (5) and knob buffer (10), the one end of the push rod (3) being fitted with the knob (2) and other end fitted with the knob spindle (4) through the retaining spring (5) to provide push button type action to the knob assembly (100), the knob spindle (4) comprises a cutout (4c,4d) at each end and rectangular cutout (4b) at the end facing the push rod (3); a locking button (13) comprising a rectangular protrusion (13a) to be accommodated in the rectangular cutout (4b) of the knob spindle and a semielliptical protrusion (13b) to be fitted in the cutout (4c) of the knob spindle (4), the cutout (4c) is adjacent to the rectangular cutout (4b); a lock body (1) having base (b), the base (b) being divided into two portions by gap (g), the lock body (1) further comprises first hollow cylindrical structure (cl) to receive the knob spindle (4) of the knob assembly, second hollow cylindrical structure (c2) to receive the locking cylinder (7), the first hollow cylindrical structure (cl) comprises plurality of holes (lb) to receive the plurality of first locking pin assembly, the second hollow cylindrical structure (c2) comprises a pair of holes (lc,ld) to receive the second locking pin assembly and third locking pin assembly respectively; and a crank and circlip assembly (11, 12) to be fitted in the gap of the base (b) of the lock body (1).

No. of Pages: 19 No. of Claims: 5

(21) Application No.2201/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application :18/09/2012 (43) Publication Date : 11/04/2014

# (54) Title of the invention: PROTECTION MECHANISMS FOR MULTI-USER MIMO TRANSMISSIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Potent of Addition to Application</li> </ul>	:H04B 7/04 :61/319,686 :31/03/2010 :U.S.A. :PCT/US2011/030708 :31/03/2011 :WO/2011/123631	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: Attn: International IP Administration 5775 Morehouse Drive San Diego California 92121-1714 United States of America (72)Name of Inventor:  1)MERLIN Simone  2)ABRAHAM Santosh Paul
<ul> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:NA :NA :NA	3)SAMPATH Hemanth 4)JONES IV Vincent Knowles 5)WENTINK Maarten Menzo 6)TAGHAVI NASRABADI Mohammad Hossein 7)VERMANI Sameer 8)VAN NEE Didier Johannes Richard

#### (57) Abstract:

Apparatuses and methods for medium reservation in the case of multi-user (MU) communications. Multiple mechanisms are supported for protecting MU transmissions/ wherein appropriate control messages can be exchanged between an access point and served user stations before transmitting downlink data packets. In particular an apparatus (702) for wireless communications, comprising: a transmitter configured to transmit one or more reservation messages (706,710,714), each of the one or more reservation messages (706,710,714) being destined to a different apparatus (704 1-3) of a plurality of apparatuses to reserve a medium for data communication; and a receiver configured to receive one or more confirmation messages (708,712,716), each of the one or more messages (708,712,716) was transmitted from the different apparatus in response to that reservation message (706.710,714), wherein the transmitter is also configured to transmit, in response to the one or more confirmation messages, data (718) over the medium to the apparatuses.

No. of Pages: 55 No. of Claims: 52

(21) Application No.2202/MUMNP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/09/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: APERIODIC CHANNEL STATE INFORMATION REQUEST IN WIRELESS COMMUNICATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H04L 1/00 :61/321,043 :05/04/2010 :U.S.A. :PCT/US2011/031301 :05/04/2011 :WO/2011/127092 :NA :NA :NA	(71)Name of Applicant:  1)QUALCOMM INCORPORATED  Address of Applicant: Attn: International IP Administration  5775 Morehouse Drive San Diego California 92121-1714  United States of America (72)Name of Inventor:  1)LUO Xiliang  2)ZHANG Xiaoxia  3)GAAL Peter  4)XU Hao  5)CHEN Wanshi  6)MONTOJO Juan  7)LUO Tao
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#### (57) Abstract:

A method, computer program product, and apparatus are provided in which a request for a channel state information (CSI) report is received on a component carrier of a plurality of component carriers. The request indicates a set of component carriers of the plurality of component carriers for which to provide the CSI report. In addition, a CSI report including feedback for each of the indicated component carriers in the set of component carriers is transmitted. A method, computer program product, and apparatus are provided-in which a request for a CSI report on a component carrier of a plurality of component carriers is transmitted. The request indicates a set of component carriers of the plurality of component carriers for which to receive the CSI report. In addition, a CSI report including feedback for each of the indicated component carriers in the set of component carriers is received.

No. of Pages: 68 No. of Claims: 56

(21) Application No.2961/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :10/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: AN IMPROVED PROCESS FOR PREPARATION OF PERINDOPRIL INTERMEDIATE

<ul><li>(51) International classification</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>	:C07D209/42, C07K5/06 :NA :NA :NA	(71)Name of Applicant:  1)PIRAMAL ENTERPRISES LIMITED  Address of Applicant:PIRAMAL TOWER, GANPATRAO  KADAM MARG, LOWER PAREL, MUMBAI- 400 013, STATE  OF 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)WAGH, GANESH 2)JAGTAP, ASHUTOSH 3)ROY, MITA 4)HARIHARAN, SIVARAMAKRISHNAN
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The present invention relates to an improved process for the preparation of (2S,3aS,7aS)-l-[(2S)-2-[[(1S)-l-(ethoxycarbonyl)butyl]amino]-l-oxopropyl]octahydro-lH-indole-2-carboxylic acid benzyl ester (the compound of formula II) comprising reacting (2S,3aS,7aS)-octahydro-IH-indole-2-carboxylic acid phenylmethyl ester 4-methylbenzenesulfonate (the compound of formula III) with N-[(S)-ethoxycarbonyl-l-butyl]-((S)-alanine (the compound of formula IV), using 1-hydroxybenzotriazole (HOBT), dicyclohexylcarbodiimide (DCC) and triethylamine in the presence of toluene as a solvent at a temperature of 5°C to 40°C.

No. of Pages: 21 No. of Claims: 6

(21) Application No.2968/MUM/2012 A

(19) INDIA

(22) Date of filing of Application :10/10/2012 (43) Publication Date : 11/04/2014

# (54) Title of the invention: HYDRO ELECTRIC SHIP

(51) International classification (31) Priority Document No	:B63H21/17 :NA	(71)Name of Applicant : 1)BHAMIDIPATI NARAYAN SRINIVAS
(32) Priority Date	:NA	Address of Applicant: 1002, SATYAM TOWERS, THAKUR
(33) Name of priority country	:NA	COMPLEX, KANDIVALI (E), MUMBAI 400101,
(86) International Application No	:NA	MAHARASHTRA,INDIA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)BHAMIDIPATI NARAYAN SRINIVAS
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Build green ships which run on hydro power by installing hydro electric power station inside ships which will generate power to drive jet pumps. One end of the shaft connected to propeller and other end connected to generator run independently by variable gears. Only the turbine is enclosed in water tight chambers where water is made to enter through the valve with a small opening below the double bottom structure which provides enough buoyancy pressure to drive impulse turbine and water is drained back into ballast tanks or reserviour which is pumped out by jet pumps within few minutes to keep the flooding levels constant by automatic control system. Building green ships working on hydro electric power replaces the existing diesel engines in ships so that will run on zero fuel that is uses water pressure to drive impulse turbine.

No. of Pages: 17 No. of Claims: 18

(21) Application No.4021/CHE/2011 A

(19) INDIA

(22) Date of filing of Application :23/11/2011

(43) Publication Date: 11/04/2014

# (54) Title of the invention: MOTORCYCLE FRAME ASSEMBLY

(51) International classification (31) Priority Document No (32) Priority Date :N.	Address of Applicant :JAYALAKSHMI ESTATES, 29, (OLD
(33) Name of priority country :N.	· · · · · · · · · · · · · · · · · · ·
(86) International Application No :N.	(72)Name of Inventor:
Filing Date :N.	1)MEGHASHYAM LAXMAN DIGHOLE
(87) International Publication No : N	A 2)DORA KAREDLA
(61) Patent of Addition to Application Number :N.	3)CHANDAN MANDIKAL RAGHURAM
Filing Date :N.	L
(62) Divisional to Application Number :N.	ı
Filing Date :N.	1

# (57) Abstract:

The present invention provides a motorcycle having a front fork supporting a front wheel of a motorcycle is supported to be rotatable by a head pipe located at a front end portion of a body frame of the motorcycle; and one hydroformed main tube extending from upper portion of the head tube obliquely downward and backward. The main tube has at least two sections at desired locations.

No. of Pages: 12 No. of Claims: 5

(21) Application No.4022/CHE/2011 A

(19) INDIA

(22) Date of filing of Application :23/11/2011

(43) Publication Date: 11/04/2014

# (54) Title of the invention: BRAKE ACTUATING MECHANISM FOR DRUM BRAKE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:F16D 65/00 :NA	(71)Name of Applicant:  1)TVS MOTOR COMPANY LIMITED  Address of Applicant: JAYALAKSHMI ESTATES, 29, (OLD
(32) Priority Date	:NA	NO.8) HADDOWS ROAD, CHENNAI - 600 006. Tamil Nadu
(33) Name of priority country	:NA	India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RENGERAJAN BABU
(87) International Publication No	: NA	2)PALANISAMY NANDAKUMAR
(61) Patent of Addition to Application Number	:NA	3)SHANMUGAM MOHAN
Filing Date	:NA	4)KRISHNASWAMY SRIRAM
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention provides a brake actuating mechanism for drum brake for a two wheeler having a brake panel; brake lever connected to the brake panel through a brake cable. And a floating anchor is provided between two stays on brake panel.

No. of Pages: 11 No. of Claims: 4

(21) Application No.4117/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :03/10/2012

(43) Publication Date: 11/04/2014

(54) Title of the invention : THE USE OF WC-CO MICROPARTICLES ON THE EN 353 STEEL SUBSTRATE TO INCREASE THE WEAR RESISTANCE AND IMPROVE THE LIFE OF THE PLANETARY GEAR DRIVE SYSTEM BY USING PLASMA SPRAY 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></ul>	:G01N :NA :NA :NA	(71)Name of Applicant:  1)R. DHANASEKARAN  Address of Applicant: ASSISTANT PROFESSOR,  DEPARTMENT OF MECHANICAL ENGINEERING, K.S.
(86) International Application No Filing Date	:NA :NA	RANGASAMY COLLEGE OF TECHNOLOGY, TIRUCHENGODE - 637 215 Tamil Nadu India
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application Number Filing Date</li></ul>	: NA :NA :NA	(72)Name of Inventor: 1)R. DHANASEKARAN 2)DR. P. SENTHIL KUMAR
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Manufacturers worldwide are searching for new ways to dramatically improve the quality of products at reduced cost. Meeting the challenges of increasing global competition is not possible with conventional machines and tools. The wear and fracture of a gear is a major and widely recognized industrial problem. In the past 30 years, many researchers have extensively studied and focused on failure and damage detection techniques in machine parts like gear. However, faults can still take place at any time on rotating machinery which will lead to harmful results or delays in production. It is important to detect any problem at an early stage to prevent unexpected breakdown. Each gear set consists of a sun gear, ring gear and planet gears (3 nos.). It was observed that the gear sets in stage I and stage II fails frequently and causes huge losses in the company due to reduced production and quality of the products. Therefore, different experimental and simulation studies are carried out in the gears used in stage I and stage II of the planetary gear system. In general, visual examination, material identification, Vickers hardness analysis, Optical microstructure analysis, Scanning Electron Microscope, XRD analysis, finite element analysis and Wear studies (Pin-on-disc method) are the techniques used to study the gear failures. A planetary gear system consists of three stages of power transmission, namely stage I, stage II and stage III. It was observed that the planet gears and sun gear in the stage I and stage II are frequently failing due to wear and fracture. Therefore, the failure analysis and mechanical properties of the above gears in stage I and stage II are studied experimentally. The determined coating material was applied on the tooth material and the properties of the gear material are studied. The details of the experimental results and outcomes are discussed.

No. of Pages: 10 No. of Claims: 3

(21) Application No.4119/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :03/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: SYSTEM AND METHOD FOR TESTING AND VALIDATION

(51) International classification	:G06Q10/00	(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	ELECTRONIC 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)GAURISH VIJAY HATTANGADI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A computer-implemented method comprises receiving an initial workflow, wherein the initial workflow corresponds to a validation test and comprises one or more steps, and wherein the result of at least one step depends on one or more essential entities, receiving input identifying one or more objects in a predetermined technology implementation which correspond to the one or more essential entities, and linking the one or more essential entities to the one or more corresponding objects in the predetermined technology implementation to create a customized workflow, such that when the steps in the workflow which depend on the one or more essential entities are executed, the one or more corresponding objects are used to determine the result of the steps. The initial workflow may be received as input from a user and the customized workflow can be executed to determine a result of the validation test for the predetermined technology implementation.

No. of Pages: 26 No. of Claims: 18

(21) Application No.391/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :01/02/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : GESTURE BASED INNOVATIVE NAVIGATION SYSTEM FOR DIGITAL-BOOK READER APPLICATIONS ON MULTI-TOUCH MOBILE AND TABLET DEVICES

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Samir Kumar Dash
(32) Priority Date	:NA	Address of Applicant :2nd floor RNR Enclave 2nd Cross
(33) Name of priority country	:NA	Munnekolala Marathahalli Bangalore Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)Samir Kumar Dash
(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:

Gesture based Innovative Navigation System for Digital-Book Reader Applications on Multi-touch Mobile and Tablet Devices. A navigation system for digital-book / e-book reader applications for multi-touch sensitive mobile and tablet devices that uses commonly supported single and multi-finger swipe or finger drag gesture events to navigate to the different chapters—and pages—in an innovative manner. The horizontal swipe/drag gesture (single finger) navigates back and forth through the pages of current chapter where as the vertical swipe (single finger) moves back and forth among different chapters—(or sections) of the e-book. A set of 2-layer position indicator in the system helps the user to track the position of the current page of the e-book he is viewing.

No. of Pages: 16 No. of Claims: 5

(21) Application No.4009/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :26/09/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: A PROCESS OF PRODUCING A FABRIC WITH A DOUBLE SIDED MOCK LENO

(51) International classification	:D03D	(71)Name of Applicant:
(31) Priority Document No	:NA	1)K. SIVAKUMAR
(32) Priority Date	:NA	Address of Applicant :125 USMAN ROAD
(33) Name of priority country	:NA	THEYAGARAYA NAGAR CHENNAI INDIA
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)K. SIVAKUMAR
(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 discloses a process for producing a fabric with double sided mock leno, including steps of drawing-in warp yarns in dents of one or more reeds, where the warp yarns are drawn-in at a predetermined pattern in accordance with design of the fabric from a top warp beam and a bottom warp beam of two different colours, characterized in that both the top warp beam and bottom warp beam are kept at normal tension to achieve the double sided mock leno effect, and continuously inserting weft in a pattern around the drawn-in yarns from the top warp beam and the bottom warp beam based on peg plan. The mock leno design portion produced by the invention is a double cloth with one colour (say red) on the face of the fabric and other colour (say green) on the back of the fabric.

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

(21) Application No.4121/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :03/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: A FREE FALL GATE LOCKING DEVICE FOR ENABLING HAMMERING ACTION

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No.	:NA :NA :NA	(71)Name of Applicant:  1)SURUTHMANNAN SILAMBARASAN Address of Applicant: 3/314 WEST STREET, THUTHUR (POST), ARIYALUR - 621 701 Tamil Nadu India
(86) International Application No Filing Date	:NA :NA	(72)Name of Inventor : 1)SURUTHMANNAN SILAMBARASAN
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The present invention discloses a device for enabling a hammering action by means of a free fall gate locking action to provide a constant force on the intended object. The device comprises of a threaded cylindrical rod(1), sub-cylindrical rod, holding means(2), a box shaped enclosure(14), set of retaining spring means(8A&8B), driving means(11) and protecting cover means(7). The box shaped enclosure(14) includes horizontally positioned upper supporting means(5) and bottom supporting means(6), and four vertically positioned supporting means(12), wherein at least two said vertical supporting means having a guiding means(3) with pivotable gate(4) arrangement and a second set of retaining spring means(8B). The threaded cylindrical rod(1) includes two ends, one end is rotatably fixed with the upper side of the bottom supporting means(6) and another end is extend through the upper supporting means(5) and coupled with the driving means(11), wherein the driving means is covered by the said protecting cover means. The holding means(2) comprises of plurality of edges and a threaded inner circumference portion, wherein at least two said edges having at least two hammer heads(9), and at least two edges having at least two extended portions(13)to detachably movable along an inner and outer portion of the guiding means(3). The threaded portion in the inner circumference of the holding means(2) is engaged with outer threaded circumference of the threaded cylindrical rod(1) to enable lifting action which is controlled by the driving means(11).

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

(21) Application No.1448/CHENP/2009 A

(19) INDIA

(22) Date of filing of Application :12/03/2009 (43) Publication Date : 11/04/2014

# (54) Title of the invention: IMPROVED CAULKING GUN

(51) International classification	:B05C 17/01	(71)Name of Applicant:
(31) Priority Document No	:60/491,353	1)RUMRILL, DANNY
(32) Priority Date	:31/07/2003	Address of Applicant :4870 CARRIAGE SANTA ROSA, CA
(33) Name of priority country	:U.S.A.	95403 U.S.A.
(86) International Application No	:PCT/US04/24776	(72)Name of Inventor:
Filing Date	:02/08/2004	1)RUMRILL, DANNY
(87) International Publication No	:WO/2005/011876	2)CHILDS, LARRY, C.,
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:398/CHENP/2006	
Filed on	:02/08/2004	

#### (57) Abstract:

A caulking gun for dispensing caulking material from a standard caulk tube. The Gun is fabricated in three basic parts; a trigger assembly, a trigger housing and a barrel cage for holding the tube. The facing portions of the barrel cage and trigger housing is provided with a mating configuration which enables the gum to be easily assembled for use and easily disassembled for storage in a toolbox. A novel drip/no drip feature is provided wherein a cam actuator conveniently positioned on the trigger housing enables an operator to select between no drip operation or drip type operation when caulking material and application requirements warrant such. A thumb release mechanism is provided on the rear of the trigger housing so the operator can release the driving rod for insertion of another tube of caulk when the unit has been placed in the drip position.

No. of Pages: 24 No. of Claims: 14

(21) Application No.1974/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :17/05/2012 (43) Publication Date : 11/04/2014

# (54) Title of the invention: GRAVITY BASED ENERGY CONVERSION DEVICE

(51) International classification	:F03G	(71)Name of Applicant:
(31) Priority Document No	:NA	1)PALANI LOGANATHAN
(32) Priority Date	:NA	Address of Applicant :NO. 8 RAINBOW DRIVE LAYOUT
(33) Name of priority country	:NA	SARJAPUR ROAD BANGALORE-560035 Karnataka India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)PALANI LOGANATHAN
(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:

The present invention provides a gravity based energy conversion system. The gravity based energy conversion system includes a circular pulley, a first container, a second container, a rotational energy conversion unit, and an electric energy generation unit. The first container and the second container are suspended on either sides of the circular member using a connecting member. According to the present invention, weight of the first container and the second container is altered to obtain continuous ascending and descending movements of the first container and the second container. The ascending and descending movements of the first container and the second container generates a bi¬directional circular motion at the circular member. The rotational energy conversion unit converts the bi-directional circular motion of the circular member into a unidirectional rotational movement The rotational energy conversion unit feeds the rotational energy to the electrical energy generation unit which then generates electric energy.

No. of Pages: 20 No. of Claims: 18

(21) Application No.3587/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :30/08/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: ATM - MODIFIED VERSION (AUTOMATIC TELLER MODIFIED VERSION)

(51) International classification	:GO6Q	(71)Name of Applicant :
(31) Priority Document No	:NA	1)K. RAJU
(32) Priority Date	:NA	Address of Applicant :#708, CARNATION,
(33) Name of priority country	:NA	SANKALPCENTRAL PARK, YADAVAGIRI, MYSORE - 570
(86) International Application No	:NA	012 Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)K. RAJU
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) 41		1

#### (57) Abstract:

The main Aim of this project is to help the people/customer to get their financial transaction with the finiancial/banking institutions with out going to banks. They can access the banks thru ATM -Modified Version, just by swapping the debit/credit card. The customer can get their Demand Drafts /Stamp papers, they can book the railway/bus tickets and Airline Tickets, they can pay the electricity/telephone/house tax/insurance premium/ bills, they can transfer the money from their account to others. They need not wait for long ques , they need not wait for long time as in banks to get their money The ATM modified vision in connected to internet.

No. of Pages: 31 No. of Claims: 1

(21) Application No.4170/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: CAPTIVE FASTENER ASSEMBLY

(51) International classification	:F16B5/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TEJAS NETWORKS LIMITED
(32) Priority Date	:NA	Address of Applicant :PLOT NO: 25, JP SOFTWARE PARK,
(33) Name of priority country	:NA	ELECTRONIC CITY, PHASE 1, HOSUR ROAD,
(86) International Application No	:NA	BANGALORE - 560 100 Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)BABU RAO KHAMITHAR
(61) Patent of Addition to Application Number	:NA	2)BASAVARAJA. M
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
/##\		1

#### (57) Abstract:

A method and device for a captive fastener assembly comprising of a fastener including a head and a shaft, the shaft comprising of a threaded section and an unthreaded section being interposed between the head and the threaded section. A standoff accommodating the fastener permanently fastened to the first surface and enabling the fastener to have an angular and circular motion within the standoff and fastening the first surface with the other surface by placing the surfaces together so that the fastener is substantially aligned with the receiving nut on the other surface for coupling, wherein a marginal offset for the alignment of fastener with the female part of the other surface is allowed. Another aspect of the invention provides for a captive fastener assembly comprising of a standoff, wherein the standoff includes an enlarged hollow internally threaded portion at one end, and a hollow shank at the other end, wherein the distal end of the hollow shank which is adapted to deform during forming operation to form a permanent fastening joint such that the deformed part flushes with the other side of the first surface in a frusto-conical shape. The said fastener upon engagement with the enlarged portion of the standoff has a substantial circular and angular floating movement.

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

(21) Application No.4041/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :28/09/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD OF ESTABLISHING IP SECURITY TUNNEL, SERVER AND CLIENT

(51) International classification	:H04L	(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
(33) Name of priority country	:NA	GALLERIA AIRPORT ROAD, BANGALORE 560 017
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)HUSSAIN, SYED AJIM
(61) Patent of Addition to Application Number	:NA	2)GIRIRAJ, G.S.
Filing Date	:NA	3)AGARWAL, SUMIT
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
( <b>77</b> ) 11		1

#### (57) Abstract:

The embodiments of the present invention provide a method of establishing IP security tunnel, server and client, the method comprising: receiving a CA certificate, a local certificate and address information from a client; wherein the CA certificate includes one or more security association proposal; establishing the IP security runnel with the client according to the CA certificate, the local certificate and the address information. Through the embodiments of the present invention, IP security tunnel will be established using certificate, while the size of IPSEC configuration will be reduced and this solution is interoperable.

No. of Pages: 19 No. of Claims: 26

(21) Application No.4153/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :04/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : A METHOD AND SYSTEM FOR ACTIVE MONITOR MODE BASED RELIABLE DATA TRANSFER IN WIRELESS LAN

(51) I ( ) ( ) 1 1 '(" ('	11041 1/00	(71)Ni C.A P
(51) International classification	:H04L1/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Samsung India Software Operations Pvt Ltd
(32) Priority Date	:NA	Address of Applicant :Bagmane Lakeview Block B No. 66/1
(33) Name of priority country	:NA	Bagmane Tech Park CV Raman Nagar Byrasandra Bangalore-
(86) International Application No	:NA	560093 Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Karthik Srinivasa Gopalan
(61) Patent of Addition to Application Number	:NA	2)Amogha D Shanbhag
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A system and method for reliable data transfer over a medium that scales to a large number of devices is provided. The system improves the data transfer performance by multi channel and multi access point based active monitor listening. The method supports fully reliable data transfer to multiple devices at rates equivalent to a single unicast transmission using an active listening mode called active monitor that enables the reliability through active retransmissions in the listening mode. This feature can be used to improve data transfer performance in terms of scale and throughput for very large data sizes. Further, the method enables the reliable data transfer and HD streaming to multiple devices from a single device.

No. of Pages: 42 No. of Claims: 16

(21) Application No.4378/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD OF REDUCING TABBING VOLUME REQUIRED FOR EXTERNAL CONNECTIONS

#### (57) Abstract:

Various embodiments are described herein for an electrode assembly for a stacked-cell battery. The electrode assembly comprises a first active material layer; a first current collector layer adjacent to and in electrical contact with an outer surface of the first active material layer; a tab element having an end lead portion and a second lead portion, the end lead portion being in electrical contact with at least one of the first active material layer and the first current collector layer, and the second lead portion extending away from the end lead portion and being substantially adjacent to a surface of at least one of the first active material layer and the first current collector layer and is adapted to provide an electrical connection to the electrode assembly; and an insulative layer covering an inner contact area of the second lead portion to electrically insulate this portion of the tab element.

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

(21) Application No.8116/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :20/09/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: PHARMACEUTICAL OR NEUTRACEUTICAL FORMULATION

(51) International classification: A61K38/00, A61K9/16, A61K9/50 (71) Name of Applicant:

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

(33) Name of priority country :NA

(86) International Application :PCT/EP2010/052401

No :25/02/2010 Filing Date

(87) International Publication :WO 2011/103920

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)EVONIK R-HM GMBH

Address of Applicant : Kirschenallee 64293 Darmstadt

Germany

(72)Name of Inventor:

1)LIZIO Rosario

2)GOTTSCHALK Michael

3)DAMM Michael 4)WINDHAB Norbert 5)LIEFKE Melanie 6)SCHMITT G<sup>1</sup>/<sub>4</sub>nter

7)ROTH Erna

8)ALEXOWSKY R1/4diger

#### (57) Abstract:

The invention relates to a pharmaceutical or nutraceutical formulation comprising a core comprising an active pharmaceutical or nutraceutical ingredient a penetration promoter and a bioavailability promoting agent and a polymeric coating for the gastrointestinal targeted release of the active ingredient characterized in that the bioavailability promoting agent is a pharmaceutically acceptable inhibitor of proteolytic enzymes which increases the oral bioavailability of the active ingredient by a factor of at least five compared to a corresponding formulation without the bioavailability promoting agent.

No. of Pages: 71 No. of Claims: 15

(21) Application No.8305/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :27/09/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: AUTOCALIBRATION

(51) International classification	:B24B9/14,B24B49/12	(71)Name of Applicant:
(31) Priority Document No	:10 2010 010 338.1	1)SCHNEIDER GMBH & CO. KG
(32) Priority Date	:04/03/2010	Address of Applicant :Br <sup>1</sup> / <sub>4</sub> eckenstrasse 21 35239 Steffenberg
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2011/053325	(72)Name of Inventor:
Filing Date	:04/03/2011	1)SCHNEIDER Gunter
(87) International Publication No	:WO 2011/107598 A2	2)GERRATH Torsten
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The invention relates to a method for calibrating a milling cutting or grinding tool of a spectacle lens frame machining unit for which a) in a first machining step prior to shaping an edge or surface shape RF by means of the milling cutting or grinding tool the lens is measured by means of an optical measuring device b) the shaping of an edge or surface shape RF is carried out by the milling cutting or grinding tool c) the generated edge or surface shape RF is measured by means of the optical measuring device d) a deviation between the surface or edge shape RF so produced and the desired surface or edge shape target values is determined and e) the tool is calibrated at least by adjusting the control variables. The invention further relates to a device for the initial working of edges chamfers and/or grooves at the edges of lenses wherein an optical measuring system for measuring surface or edge shapes RF and/or edges K of the lens prior to and/or after machining the lens is provided.

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

(21) Application No.262/CHE/2011 A

(19) INDIA

(22) Date of filing of Application :28/01/2011

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD AND SYSTEM FOR INTUITIVE INTERCATION OVER A NETWORK

(51) International classification (31) Priority Document No	:G06Q30/00 :NA	(71)Name of Applicant: 1)HEWLETT-PACKARD DEVELOPMENT COMPANY
(32) Priority Date	:NA	L.P.
(33) Name of priority country	:NA	Address of Applicant :11445 Compaq Center Drive West
(86) International Application No	:NA	Houston TX 77070 U.S.A.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Srinivasan RAMANI
(61) Patent of Addition to Application Number	:NA	2)Sriganesh MADHVANATH
Filing Date	:NA	3)Anbumani SUBRAMANIAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Provided is a method of intuitive interaction over a network. The method includes collection of feedback from participants, wherein the feedback is active, passive, or a combination of both. The feedback from the participants is aggregated and the aggregated feedback is provided to at least one participant or a non-participant.

No. of Pages: 23 No. of Claims: 15

(21) Application No.3999/CHENP/2009 A

(19) INDIA

(22) Date of filing of Application :08/07/2009 (43) Publication Date : 11/04/2014

# (54) Title of the invention: SECURITY SYSTEM WITH PRODUCT POWER CAPABILITY

(51) International classification	:G08B13/14	(71)Name of Applicant:
(31) Priority Document No	:60/880,115	1)IN VUE SECURITY PRODUCTS INC.,
(32) Priority Date	:12/01/2007	Address of Applicant: 15015 LANCASTER HIGHWAY,
(33) Name of priority country	:U.S.A.	CHARLOTTE, NC 28277-2010 U.S.A.
(86) International Application No	:PCT/US08/00265	(72)Name of Inventor:
Filing Date	:08/01/2008	1)BELDEN, DENNIS, D.,JR.,
(87) International Publication No	:WO/2008/088699	2)FAWCETT, CHRISTOPHER, J.,
(61) Patent of Addition to Application Number	:NA	3)CUPOLO, ANTHONY, M.,
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A security system and display module therefore protects an item of merchandise mounted on the display module in a retail environment. The item of merchandise is electrically and mechanically connected to a sensor which is removably mounted on the display module by a first power cord. A second power cord connects the display module to the sensor and a third power cord connects the display module to a source of electricity for supplying electric power to the sensor through the display module and then to the displayed item for maintaining the charge on a battery of the displayed item. The display module contains an alarm unit having an audible alarm which is actuated if the integrity of either of the first or second power cords is compromised. A plunger switch and LED may be contained in the sensor and in a base of the display module and connected to the internal alarm to provide additional security for the protected item of merchandise. The alarm is powered from the source of electricity but is automatically switched to the battery upon interruption of this power source.

No. of Pages: 26 No. of Claims: 25

(21) Application No.4210/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :09/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: A METHOD OF COMMUNICATION FOR SIP, SELECTION DEVICE AND SFC ENABLER

(51) International classification	:H04L29/00	(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
(33) Name of priority country	:NA	GALLERIA AIRPORT ROAD, BANGALORE 560 017
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SRIVASTAVA, RAHUL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		1

#### (57) Abstract:

The embodiments of the present invention provide a method of communication for SIP, a selection device and SFC enabler, the method includes: receiving a registration message from a user equipment; sending the registration message to an application server; receiving an update message from a SFC enabler; and updating selection criteria of SIP according to the update message. Additional complexity and cost of solution can be decreased by using SFC enabler to update selection criteria in registration process.

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

(21) Application No.7058/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 13/08/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD AND APPARATUS FOR POWER LINE COMMUNICATION

(51) International classification :H04B 3/54 (31) Priority Document No :2005-297529 (32) Priority Date :12/10/2005 (33) Name of priority country :Japan

:PCT/JP2006/320804 (72)Name of Inventor : (86) International Application No Filing Date

:12/10/2006 (87) International Publication No :WO/2007/043705

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

Filing Date

(62) Divisional to Application Number :3356/CHENP/2007 Filed on :12/10/2006

(71)Name of Applicant:

1)PANASONIC CORPORATION

Address of Applicant: 1006, OAZA KADOMA, KADOMA-

SHI, OSAKA 571-8501 Japan

1)KOGA, HISAO

2)KODAMA, NOBUTAKA

# (57) Abstract:

A communication apparatus repeatedly outputs a first multi-carrier signal SS during predetermined periods Tl, T2, T3..., and outputs a second multi-carrier signal RS whose phase vector is different from that of the first multi-carrier signal SS, at a predetermined timing based on the fu-st multi-carrier signal SS. The communication apparatus further detects the second multi-carrier signal RS output from another communication apparatus, which uses a different communication method from the communication apparatus. Accordingly, both communication apparatuses can differentiate the first multi-carrier signal SS from the second multi-carrier signal RS without performing relatively cumbersome modulation and other processes.

No. of Pages: 65 No. of Claims: 11

(21) Application No.8840/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/10/2012 (43) Publication Date : 11/04/2014

# (54) Title of the invention: FEEDING APPARATUS FOR A HIGH PRESSURE ROLLER PRESS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B02C4/28 :20 2010 005 881.3 :21/04/2010 :Germany :PCT/EP2011/053933 :16/03/2011 :WO 2011/131428 :NA :NA	(71)Name of Applicant:  1)KHD HUMBOLDT WEDAG GMBH  Address of Applicant: Colonia Allee 3 51067 Kln Germany (72)Name of Inventor:  1)STRASSER Siegfried
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# (57) Abstract:

The invention relates to a feeding apparatus (20) for a high pressure roller press (100) for the high pressure comminution of material to be ground (10) which apparatus feeds the material to be ground (10) in a controlled manner into a roller nip (11) between two rollers (101 102) of the high pressure roller press (100). Provision is made for the feeding apparatus (10) to have at least one material feed (30) with a vertically adjustable material chute (40) and a material overflow device (60).

No. of Pages: 18 No. of Claims: 11

(21) Application No.3967/CHENP/2009 A

(19) INDIA

(22) Date of filing of Application :07/07/2009

(43) Publication Date: 11/04/2014

# (54) Title of the invention: SECURITY DEVICE FOR ATTACHING A PEG HOOK TO A PEG SUPPORT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:04/01/2008 :WO 2008/088679 A1	(71)Name of Applicant:  1)IN VUE SECURITY PRODUCTS INC. Address of Applicant: 15015 LANCASTER HIGHWAY, CHARLOTTE, NC 28277-2010 U.S.A. (72)Name of Inventor: 1)NAGELSKI, KEITH, C.,
Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A security device for locking a merchandise display rod to a support structure. The device includes a housing slidably received on the display rod and including a locking mechanism movable between a locked and an unlocked position. The housing defines a recess extending inwardly from an exterior surface thereof and perpendicularly to the linear motion of a locking member in the locking mechanism. A complementary shaped dipole magnet of a magnetic key is inserted into the recess to move the locking mechanism to the unlocked position. The security device further includes an adjustment member on a rear surface thereof The adjustment member is engaged to compensate for different thicknesses of the support structure to which the security device is to be attached.

No. of Pages: 28 No. of Claims: 21

(21) Application No.4396/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: COOLING CIRCUIT FOR A LIQUID-COOLED INTERNAL COMBUSTION ENGINE

(51) International classification	:F01P7/00	(71)Name of Applicant:
(31) Priority Document No	:10 2011	1)MAN TRUCK & BUS AG
(51) Thomas Bocument 110	116 933.8	Address of Applicant :DACHAUER STR. 667, 80995
(32) Priority Date	:26/10/2011	MUNCHEN Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)BOHM, MARTIN
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	
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## (57) Abstract:

The invention relates to a cooling circuit for a liquid-cooled internal combustion engine for motor vehicles, having a main cooling circuit comprising a feed line leading to a radiator and a return line, and having a bypass line, which bypasses the radiator and can be controlled as a function of temperature for example, and having, inter alia, a connected secondary cooling circuit for a retarder of a braking device of the motor vehicle, which is connected, likewise by a feed line, a return line and a control valve, to the main cooling circuit. In order to achieve a design which is advantageous in terms of construction and of control engineering, it is proposed that the two cooling circuits (2, 3) can be controlled by means of a single rotary slide valve (10) as a control valve, at the housing (10a) of which, which has throughflow openings, both cooling circuits (2, 3) are interconnected in such a way that the flow rates thereof to the radiator (6) and/or to the retarder (4) can be varied in a predetermined or defined manner, in particular between 0% and 100%.

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

(21) Application No.6773/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :01/08/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD AND APPARATUS FOR FORMING OF AN AUTOMATED SAMPLING DEVICE FOR THE DETECTION OF SALMONELLA ENTERICA UTILIZING AN ELECTROCHEMICAL APTAMER BIOSENSOR

 $:\!G01N33/53,\!G01N33/68,\!G01N27/26 \bigg| (71) \textbf{Name of Applicant:}$ (51) International classification

(31) Priority Document No :12/684025 (32) Priority Date :07/01/2010 (33) Name of priority

:U.S.A. country

(86) International

:PCT/US2011/020542 Application No :07/01/2011

Filing Date (87) International

:WO 2011/085219 Publication No

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

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

1)PHARMACO KINESIS CORPORATION

Address of Applicant: 10524 S. La Cienega Blvd Inglewood

California 90304 U.S.A. (72)Name of Inventor:

1)SHACHAR Yehoshua 2)WU Winston

3)CHEN Thomas 4)FARKAS Leslie 5)JORDAN Brett 6)LUBOFF Paladin 7) CHAN Herwin 8)ZIMMERMAN Kyle

#### (57) Abstract:

An aptamer based solid state electrochemical biosensor for label free detection of Salmonella enterica serovars utilizing immobilized aptamers. The device is realized by forming a matrix array of parallel capacitors thus allowing the realization of low cost portable fully integrated devices. Protein aptamer binding modulates the threshold voltage of a circuit changing the impedance (capacitance) of the circuit. This circuit is further characterized by an electrode coded with a p Si substrate enhancing the affinity between the Salmonella outer membrane proteins (OMPs) and the aptamer. An aptamer embedded detection plate is configured within a testing lid device that fits a standard commercially available polymer specimen jar. A sample is mixed with broth for incubation and cultivation of any present Salmonella bacteria to obtain acceptable concentration of the pathogen for testing. The information obtained can then be transmitted by wireless network.

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

(21) Application No.9211/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/10/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: CONSTANT VELOCITY UNIVERSAL JOINT

(51) International classification :F16D3/20,F16D3/2237,F16D3/2245

(31) Priority Document No :2010-086323 (32) Priority Date :02/04/2010

(33) Name of priority

country :Japan

(86) International :PCT/JP2011/056889

Application No
Filing Date

3.1 C1/31 201
23/03/2011

(87) International

Publication No :WO 2011/125491 A1

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

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

(71)Name of Applicant: 1)NTN CORPORATION

Address of Applicant: 3 17 Kyomachibori 1 chome Nishi ku

Osaka shi Osaka 5500003 Japan

(72)Name of Inventor:

1)TERASAKA Yoshinori 2)KOBAYASHI Tomoshige 3)YAMAZAKI Kisao

4)ISHIJIMA Minoru

#### (57) Abstract:

Disclosed is a constant velocity universal joint which ensures excellent durability by means of ensuring that balls are stably in contact with a forged track and a finished track and which has a track shape allowing easy quality control of the forging mold and products just as in conventional devices. At least a track groove (22) of an outer joint member (23) and/or a track groove (25) of an inner joint member (26) is formed by means of finishing with cold forging. The cross section of the bottom side of track grooves (22 25) is shaped like a gothic arch and that of the open side thereof is ovular.

No. of Pages: 53 No. of Claims: 18

(21) Application No.3459/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/08/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: PROCESS FOR PREPARING CANDESARTAN CELEXETIL WITH FINE PARTICLE SIZE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:c07d 403/00 :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)Dr. Reddy <sup>TM</sup> s Laboratories Limited Address of Applicant: 8-2-337 Road No. 3 Banjara hills Hyderabad Andhra Pradesh 500034 India (72)Name of Inventor:  1)Medisetti Venkata Ramakrishna 2)Beeravalli Ramalinga Reddy 3)Pittala Bala Murali Krishna Reddy 4)Kaipu Rama Krishna Reddy 5)Parag Mahesh Kanthale
(62) Divisional to Application Number	:NA :NA	5)Parag Manesh Kanthale
Filing Date	:NA	

# (57) Abstract:

The present invention relates to a process for preparing fine particle size of candesartan cilexetil, having d (0.9) is about 50 microns or less and d (0.5) is about 6 microns or less, by subjecting a solution of candesartan cilexetil to ultrasound energy.

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

(21) Application No.3647/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :04/09/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: VALVE WITH PILOT FUNCTION

(51) International classification	:F16K	(71)Name of Applicant :
(31) Priority Document No	:2011- 193856	1)KEIHIN CORPORATION Address of Applicant :26-2, NISHISHINJUKU 1-CHOME,
(32) Priority Date	:06/09/2011	SHINJUKU-KU, TOKYO Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)YAMAMOTO, HIROAKI
Filing Date	:NA	2)SAITO, MASAKI
(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:

[SUBJECT] In a valve with pilot function comprising: a main valve element which has a pilot port; and a sub valve element which opens and closes the pilot port by the relative movement in a predetermined range relative to the main valve element, it is a subject of the present application to provide the valve with pilot function which achieves reduction in size and in which, when the sub valve element and the main valve element are assembled in such a manner as to restrict their relative movement, such assembling operation is easily performed. [MEANS FOR SOLUTION] One of a main valve element 78 and a sub valve element 79 is provided with a recessed portion 90 and the other thereof is provided with an insertion portion 91. A ring 98 is mounted in an annular groove 97, the ring 98 being elastically deformable in such a manner that the ring 98 expands or contracts, the annular groove 97 being provided in one of an inner periphery of the recessed portion 90 and an outer periphery of the insertion portion 91. An engaging protrusion 99 protrudes on the other of the inner periphery of the recessed portion 90 and the outer periphery of the insertion portion 91, the engaging protrusion 99 configured to pass beyond the ring 98 at the time of assembling by inserting the insertion portion 91 into the recessed portion 90. Once the sub valve element 79 moves to a side to open a pilot port 80, the engaging protrusion 99 is engaged with the ring 98 to move the main valve element 78 toward a valve open position after the opening of the pilot port 80.

No. of Pages: 30 No. of Claims: 2

(21) Application No.4136/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :04/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: THROTTLE CONTROLLED AUTOMATIC CLUTCH IN AUTOMOBILES

<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>	:F02M :NA :NA :NA	(71)Name of Applicant:  1)GURUCHARAN.J.V.  Address of Applicant:S/O. VENKATESH.J.V., 179, ROYAL  ART, RAMGOPAL LAYOUT, BANASWADI MAIN ROAD,
(86) International Application No Filing Date	:NA :NA	BANGALORE - 560 033 Karnataka India (72)Name of Inventor:
(87) International Publication No	: NA	1)GURUCHARAN.J.V.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A device based on the principle of actuation of the clutch arm/fork externally using throttle pedal/twist throttle/accelerator or the throttle valve in the engine ECU (Engine Control Unit)/carburetor, fuel or air intake, exhaust mechanisms as an input source/ trigger.

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

(21) Application No.9000/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:19/10/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: HETEROBIARYL CYCLOHEXYL TETRAAZABENZO[E]AZULENES

(51) International :C07D487/04,C07D519/00,A61K31/5517

classification

(31) Priority Document :10161043.4

No

(32) Priority Date :26/04/2010

(33) Name of priority :EPO

country

(86) International

:PCT/EP2011/056391 Application No :21/04/2011

Filing Date

(87) International

:WO 2011/134877 **Publication No** 

(61) Patent of Addition 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)DOLENTE Cosimo 2) SCHNIDER Patrick

#### (57) Abstract:

The present invention relates to heterobiaryl cyclohexyl tetraazabenzo[]azulenes of formula (I) wherein R R and R are as described herein. The compounds according to the invention act as V1a receptor modulators and in particular as V1a receptor antagonists their manufacture pharmaceutical compositions containing them and their use as medicaments. The active compounds of the present invention are useful as therapeutics acting peripherally and centrally in the conditions of dysmenorrhea male or female sexual dysfunction hypertension chronic heart failure inappropriate secretion of vasopressin liver cirrhosis nephrotic syndrome anxiety depressive disorders obsessive compulsive disorder autistic spectrum disorders schizophrenia and aggressive behavior.

No. of Pages: 81 No. of Claims: 21

(21) Application No.9238/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :30/10/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: INDEXING GEAR TRAIN FOR ON LOAD TAP CHANGERS OF STEP TRANSFORMERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H01H9/00 :10 2010 015 052.5 :15/04/2010 :Germany :PCT/EP2011/000850 :23/02/2011 :WO 2011/128011 :NA	(71)Name of Applicant:  1)MASCHINENFABRIK REINHAUSEN GMBH Address of Applicant: Falkensteinstrasse 8 93059 Regensburg Germany (72)Name of Inventor: 1)H-PFL Klaus 2)WILHELM Gregor
` /		2)WEHELM Gregor
Filing Date	:NA	

# (57) Abstract:

The invention relates to an indexing gear train (10) for an on load tap changer or tap selector of a step transformer wherein at least one cam disk (18; 20) driven by a crank mechanism (12) interacts with an output disk (22) having engagement elements (24) arranged on the output disk the output disk being connected to a switch shaft (40) in a rotationally fixed manner wherein the at least one cam disk (18; 20) in interaction with the engagement elements (24) of the output disk (22) triggers an incremental rotation of the switch shaft (40) by a defined increment angle. The engagement elements (24) are formed by rollers (26) rotatably supported on a flat side near the outer circumference of the disk (22). Said rollers roll with a corresponding engagement contour on the outer surface of the cam disk (18; 20) said engagement contour having convex and concave cam sections (30; 42) that regularly follow each other and transition into each other.

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

(21) Application No.2642/CHE/2011 A

(19) INDIA

(22) Date of filing of Application :01/08/2011

(43) Publication Date: 11/04/2014

## (54) Title of the invention: AXIAL FLOW PUMP

(51) International classification	:F04D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)BHAT SADANGAYA SUDRASHANA
(32) Priority Date	:NA	Address of Applicant :#2177/A, 2ND FLOOR,
(33) Name of priority country	:NA	VENKATESHWARA NILAYA, 2ND CROSS, B.M. KAVAL,
(86) International Application No	:NA	HAL III STAGE, BANGALORE - 560 075 Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)BHAT SADANGAYA SUDRASHANA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(55) 11		1

## (57) Abstract:

The present invention provide an axial flow pump having a hollow rotor shaft, an electric motor to pull the fluid/gas/powder in a direction parallel to the hollow shaft to reduce the loss of electric energy. The hollow shaft is attached with an impeller or an Archimedean screw disposed at the inner cross section of the hollow shaft to impel the fluid/gas/powder from one end of the hollow shaft to the other end.

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

(21) Application No.4209/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :09/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: A PROCESS FOR PREPARATION OF TETRAHYDROPYRIDINE ANALOGS

<ul> <li>(51) International classification</li> <li>(31) 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>	211/00 :NA :NA :NA	(71)Name of Applicant:  1)AVRA LABORATORIES PVT. LTD.  Address of Applicant: AVRA HOUSE, 7-102/54, SAI ENCLAVE, HABSHIGUDA, HYDERABAD - 500 007 Andhra Pradesh India (72)Name of Inventor:  1)RAMARAO, CHANDRASHEKAR
(87) International Publication No	: NA	2)RAO, RAMAKRISHNA
(61) Patent of Addition to Application Number	:NA	3)MICHEL, PATRICK THOMAS
Filing Date	:NA	4)NITLIKAR, LAKSHMIKANT HANUMANTHRAO
(62) Divisional to Application Number	:NA	5)BHADKE, VENKAT VASANTRAO
Filing Date	:NA	

<sup>(57)</sup> Abstract:

The present invention discloses economical and industrially viable process for the preparation of N-Boc-l,2,3,6-tetrahydropyridine-4-boronic acid pinacol ester (6) via novel intermediates;4-bromo-l,2,3,6-tetrahydropyridine(13) and its N-protected derivatives (12) and (14) and salt (15) which are used as key intermediates and building blocks for the synthesis of several biologically active compounds.

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

(21) Application No.4435/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :25/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: LOCKING DEVICE FOR A MOTOR VEHICLE DOOR

(51) International classification	:E05F1/00	(71)Name of Applicant:
(31) Priority Document No	:10 2011	1)MAN TRUCK & BUS AG
(61) Thomy Boundary	117 399.8	Address of Applicant :DACHAUER STR. 667, 80995
(32) Priority Date	:31/10/2011	MUNCHEN Germany
(33) Name of priority country	:Germany	(72)Name of Inventor:
(86) International Application No	:NA	1)RAYKOV, IASSEN
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 locking device 1 for locking a motor vehicle door ST, in particular a motor vehicle pivoting door with a lifting function, to a motor vehicle door frame TP. The locking device 1 comprises a first locking part 10 for fastening to the door ST and a second locking part 20 for fastening to the door portal TP, wherein the first locking part 10 and the second locking part 20 are configured in order to be locked together. The first locking part 10 and the second locking part 20 are of substantially identical design. Alter natively or additionally, the first locking part 10 and the second locking part 20 are configured so that they are locked together in a self-centring manner.

No. of Pages: 21 No. of Claims: 13

(21) Application No.8223/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :25/09/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: PORTABLE WIRELESS DEVICE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:H01Q1/24,H01Q1/38,H04M1/02 :2010082097 :31/03/2010	<ul> <li>(71)Name of Applicant:</li> <li>1)NEC Corporation</li> <li>Address of Applicant: 7 1 Shiba 5 chome Minato ku Tokyo</li> </ul>
(33) Name of priority country	:Japan	1088001 Japan
(86) International Application No Filing Date	:PCT/JP2011/057522 :28/03/2011	(72)Name of Inventor : 1)KURIHARA Kazuhiro
(87) International Publication No	:WO 2011/125569	
<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 sliding type portable wireless device comprises a first housing; a second housing that slides with respect to the first housing and that is positioned at either a first relative position or a second relative position that is different from the first relative position; an antenna element built in within the first housing; and a plurality of parasitic elements including first and second parasitic elements that are formed within the second housing and that capacitively couple with the antenna element. The first parasitic element comes to face the antenna element at the first relative position. The second parasitic element comes to face the antenna element at the second relative position.

No. of Pages: 21 No. of Claims: 6

(21) Application No.9317/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :01/11/2012 (43) Publication Date : 11/04/2014

## (54) Title of the invention: INFORMATION PROCESSING TERMINAL AND CONTROL METHOD THEREFOR

(51) International classification :G06F3/048,G06F3/14,G06F9/50 (71)Name of Applicant :

(31) Priority Document No :2010088556 (32) Priority Date :07/04/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/057727

No :29/03/2011 Filing Date

(87) International Publication No:WO 2011/125629

(61) Patent of Addition to
Application Number :NA

Filing Date :NA

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

(57) Abstract:

1)NEC CORPORATION

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

1088001 Japan

(72)Name of Inventor : 1)FUJIWAKA Masaya

Provided is an information processing terminal comprising a plurality of displays that display screens for respective applications and a control means that determines from the plurality of displays the display on which a new application is to start up. In the event that an application being executed competes with a first non dependent condition that does not depend on the display required by the new application the control means terminates the application being executed and uses a second non dependent condition which does not depend on the display required by the new application or a first dependent condition which depends on the display required by the new application to determine the display on which the new application is to start up.

No. of Pages: 76 No. of Claims: 23

(21) Application No.4127/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :03/10/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: OXYGEN SENSOR MOUNTING ARRANGEMENT

(51) International classification	:E06B9/00	(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)VARADHA IYENGAR LAKSHMINARASIMHAN
(61) Patent of Addition to Application Number	:3255/CHE/2010	2)MALUVADU SUNDARAMAN ANAND KUMAR
Filed on	:01/11/2010	3)MANICKYAM MURUGESAN
(62) Divisional to Application Number	:NA	4)DHARAMAPURI NAGENDRA KUMAR
Filing Date	:NA	

## (57) Abstract:

Present invention disclosure describes a cylinder head of an internal combustion engine, having exhaust air sensor mounting arrangement over the joint of the cylinder head and the exhaust port such that the exhaust air sensor is inserted vertically downward in the exhaust port and the vertical axis of the exhaust air sensor is perpendicular to the horizontal axis of the exhaust port and parallel to the vertical axis of the cylinder head.

No. of Pages: 17 No. of Claims: 5

(21) Application No.9334/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :01/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: BASE STATION APPARATUS MOBILE TERMINAL APPARATUS AND COMMUNICATION CONTROL METHOD

(51) International :H04W72/04,H04W28/04,H04J1/00 classification

(31) Priority Document No :2010105939 (32) Priority Date :30/04/2010 (33) Name of priority country: Japan

(86) International Application :PCT/JP2011/059846

No :21/04/2011

Filing Date

(87) International Publication: WO 2011/136125

(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)NTT DOCOMO INC.

Address of Applicant: 11 1 Nagatacho 2 chome Chiyoda ku

Tokyo 1006150 Japan (72)Name of Inventor: 1)TAKEDA Kazuaki 2)MIKI Nobuhiko 3)TAOKA Hidekazu

(57) Abstract:

This invention is directed to provision of a base station apparatus a mobile terminal apparatus and a communication control method. The base station apparatus can appropriately allocate a resource of a response signal of retransmission in response to a signal in which a plurality of layers are space multiplexed in an uplink and the base station apparatus further can support the next generation mobile communication system. The base station apparatus receives from a mobile terminal apparatus (10) a signal in which a plurality of layers are space multiplexed in an uplink; generates an ACK/NACK of HARQ for the signal received in each layer of the uplink; and uses an offset value which has fixedly been specified between the base station apparatus and the mobile terminal apparatus (10) for each layer of the uplink to allocate to PHICH resource the ACK/NACK of HARQ of a transport block related to each layer.

No. of Pages: 64 No. of Claims: 17

(21) Application No.9335/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :01/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : METHOD EQUIPMENT AND NODE FOR DETERMINING AND ADJUSTING AIM PACKET DELAYS OF LINK SUBSECTIONS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04W28/00 :NA :NA :NA :PCT/CN2010/071564 :06/04/2010 :WO 2011/124014 :NA :NA	(71)Name of Applicant:  1)ALCATEL LUCENT SHANGHAI BELL CO. LTD.  Address of Applicant: No. 388 Ningqiao Road Pudong Jinqiao Shanghai 201206 China  2)ALCATEL LUCENT (72)Name of Inventor:  1)ZHENG Wu  2)ZHAO Qun  3)LIU Jimin  4)LENG Xiaobing
(61) Patent of Addition to Application Number	:NA	2)ZHAO Qun 3)LIU Jimin
(62) Divisional to Application Number Filing Date	:NA :NA	5)SHEN Gang

#### (57) Abstract:

A method equipment and network node for determining the aim packet delay of each subsection of the link are provided in the embodiments of the present invention. The method can comprises: collecting the parameters that affect the packet delay; and according to the relation between the packet delay of each subsection and the total packet delay of the link determining the aim packet delay of each subsection based on the collected parameters and the total demand for the packet delay of the link. Furthermore a method equipment and network node for adjusting the aim packet delay of each subsection of the link are also provided. The technical solution of the present invention provides a solution for ensuring the packet delay for the multi hop relay system wherein the solution has very great expansibility and well backward compatibility and is transparent for the core network and user equipments.

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

(21) Application No.9337/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :01/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : INTEGRATED PROCESS FOR THE CONTROL CENTERING AND REGULATION OF THE CAMBER OF THE METALLIC STRIP IN PROCESS LINES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B65H23/038 :MI2010A000801 :06/05/2010 :Italy :PCT/EP2011/002104 :20/04/2011 :WO 2011/137988 :NA :NA :NA	(71)Name of Applicant:  1)TENOVA S.P.A. Address of Applicant:Via Monte Rosa 93 I 20149 Milan Italy (72)Name of Inventor: 1)MARTINES Stefano 2)GUARIENTO Fausto
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#### (57) Abstract:

An integrated process for the control centering and regulation of the camber of a metallic strip in process lines wherein the strip (14) is passed over a centering group comprising a mobile frame (21) carrying one or more rolls (19) and which operates a rotation () with respect to a fixed supporting frame (20) effecting a shift of a branch of the outgoing strip with respect to a branch of the ingoing strip wherein the rotation () of the mobile frame (21) takes place around an axis (B) tilted with respect to the plane on which the ingoing branch of the strip lies which creates a steering angle () of the axis of the roll with respect to the perpendicular to the axis of the line by a rotation of a tilt angle (a) of the frames with respect to the plane perpendicular to the ingoing branch wherein sensors (15 16 17) are positioned on the strip (14) arranged along the line and connected to an electronic control board (13) which receives the data of the advancing strip (position and camber) and on the basis of a control algorithm used by the controller.

No. of Pages: 37 No. of Claims: 7

(21) Application No.2689/CHE/2011 A

(19) INDIA

(22) Date of filing of Application :05/08/2011

(43) Publication Date: 11/04/2014

# (54) Title of the invention : A PROCESS AND SYSTEM FOR SCRUBBING, QUENCHING AND SATURATING THE FLUE GAS, WHILE CONVEYING THE SAME IN A MODIFIED DUCT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B01D :NA :NA :NA :NA :NA : NA :NA	(71)Name of Applicant:  1)SUBRAHMANYAM KUMAR Address of Applicant:1, SECOND STREET, PADMANABHA NAGAR, ADYAR, CHENNAI - 600 020 Tamil Nadu India (72)Name of Inventor: 1)SUBRAHMANYAM KUMAR
(61) Patent of Addition to Application Number	:NA	1)SUBRAHMANYAM KUMAR
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

This invention relates to a system for scrubbing, quenching and saturating the hot and dirty flue gas, by the use of a highly alkaline scrubbing media at the site of release of the flue gas. This obviates the use of scrubbing devices present in the domain. The invention relates to a modified duct having spray nozzles attached at its entire length, connected to a pump, which can be used to pursue the object of the present invention at the source of release of flue gas.

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

(21) Application No.4000/CHENP/2009 A

(19) INDIA

(22) Date of filing of Application :08/07/2009

(43) Publication Date: 11/04/2014

## (54) Title of the invention: SECURITY DISPLAY WITH CENTRAL CONTROL SYSTEM

(51) International classification	:G08B 13/14	(71)Name of Applicant:
(31) Priority Document No	:60/880,131	1)INVUE SECURITY PRODUCTS INC
(32) Priority Date	:12/01/2007	Address of Applicant: 15015 LANCASTER HIGHWAY,
(33) Name of priority country	:U.S.A.	CHARLOTTE, NC 28277-2010 U.S.A.
(86) International Application No	:PCT/US08/00264	(72)Name of Inventor:
Filing Date	:08/01/2008	1)BELDEN, DENNIS, D. JR.,
(87) International Publication No	:WO	2)FAWCETT, CHRISTOPHER, J.,
(87) International Lubication No	2008/088698 A2	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A security system for protecting a plurality of items of merchandise on display in a retail environment. Each of the items is connected to a sensor which is removably mounted in a display module and connected thereto by a power cord. A single alarm module located in an inaccessible location is connected to each of the display modules by another power cord. A power cord connects each of the display modules to a source of electricity for supplying electric power to the sensor through the display module and then to the displayed item for maintaining the charge on a battery of the displayed item. The alarm unit contains an internal power source for controlling the alarm circuitry. A plunger switch and LED may be contained in the sensor.

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

(21) Application No.9340/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :01/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD FOR LEAKAGE CURRENT CONTROL IN A INVERTER SYSTEM

(51) International :H02M1/32,H02H9/08,H02M7/487

:06/04/2011

:WO 2011/124605

classification (31) Priority Document No :10159233.5

(32) Priority Date :07/04/2010 (33) Name of priority country: EPO

(86) International Application :PCT/EP2011/055343

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

(71)Name of Applicant:

1)SMA SOLAR TECHNOLOGY AG

Address of Applicant :Sonnenallee 1 34266 Niestetal Germany

(72)Name of Inventor: 1)BREMICKER Sven 2)DE BRABANDERE Karel

3)MLLER Tobias

#### (57) Abstract:

A method for the operational control of an inverter (4) designed for DC/AC voltage conversion that has at least one direct voltage input (2 3) and that can be connected to a power supply grid via at least one alternating voltage output (10 11 12) the inverter being involved in a power flow interaction with the grid in such a manner that during operation of the inverter a leakage current I can occur is characterized in that the leakage current Iis controlled in the operational control.

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

(21) Application No.9344/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: TRICYCLIC INDAZOLE COMPOUND METHOD OF PREPARATION AND PHARMACEUTICAL COMPOSITION CONTAINING IT

(51) International classification :C07D487/04,A61K31/4985,A61K31/5517

(31) Priority
Document No
(32) Priority Date :08/04/2010

(33) Name of priority :EPO

country :EPC

(86) International Application No :PCT/EP2011/053270 :04/03/2011

Filing Date

(87) International :WO 2011/124430

Publication No

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

(71)Name of Applicant:

1)AZIENDE CHIMICHE RIUNITE ANGELINI

FRANCESCO A.C.R.A.F. S.p.A.

Address of Applicant : Viale Amelia 70 I 00181 Roma Italy

(72)Name of Inventor :1)ALISI Maria Alessandra2)CAZZOLLA Nicola3)FURLOTTI Guido

3)FURLOTTI Guido 4)GARRONE Beatrice 5)MAGARO Gabriele 6)MANGANO Giorgina

## (57) Abstract:

Tricyclic indazole compound and its pharmaceutically acceptable salts of acid addition use thereof method and intermediates for preparing them and a pharmaceutical composition containing them. The tricyclic indazole compound has the following general Formula (I): in which R R L L X X X X X Y W m and n have the meanings stated in the description.

No. of Pages: 52 No. of Claims: 15

(21) Application No.9345/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: MICROORGANISMS AND METHODS FOR THE BIOSYNTHESIS OF BUTADIENE

(51) International classification	:C12P5/02,C12N1/20	(71)Name of Applicant :
(31) Priority Document No	:61/331812	1)GENOMATICA INC.
(32) Priority Date	:05/05/2010	Address of Applicant :10520 Wateridge Circle San Diego CA
(33) Name of priority country	:U.S.A.	92121 U.S.A.
(86) International Application No	:PCT/US2011/035105	(72)Name of Inventor:
Filing Date	:04/05/2011	1)BURK Mark J.
(87) International Publication No	:WO 2011/140171	2)BURGARD Anthony P.
(61) Patent of Addition to Application	:NA	3)SUN Jun
Number	:NA	4)OSTERHOUT Robin E.
Filing Date	.IVA	5)PHARKYA Priti
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The invention provides non naturally occurring microbial organisms having a butadiene pathway. The invention additionally provides methods of using such organisms to produce butadiene.

No. of Pages: 117 No. of Claims: 59

(21) Application No.9348/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: PRODUCTION AND USE OF METAL SALTS OF ALKYL OXIDE AND/OR ARYL ALKYL OXIDE OLIGOMERS AND POLYMERS WITH ACID END GROUPS IN THE PRODUCTION OF POLYURETHANE SYSTEMS

 $: C08G18/22, C08G18/48, C08G18/76 \bigg| \begin{tabular}{c} (71) \textbf{Name of Applicant:} \\ \hline \end{tabular}$ (51) International

classification

:10 2010 003 672.2

(31) Priority Document No (32) Priority Date

:07/04/2010 (33) Name of priority country: Germany

(86) International

:PCT/EP2011/053358

Application No

:07/03/2011

Filing Date

No

(87) International Publication :WO 2011/124432

(61) Patent of Addition to Application Number

:NA :NA

Filing Date (62) Divisional to

:NA :NA

**Application Number** Filing Date

1)EVONIK GOLDSCHMIDT GMBH

Address of Applicant: Goldschmidtstrasse 100 45127 Essen

Germany

(72)Name of Inventor:

1)SCHMITZ Sarah

2)HUBEL Roland

(57) Abstract:

The invention relates to a catalyst system that is suitable for catalyzing the production of polyurethane foams. The catalyst system is characterized in that said system contains a metal salt of an alcohol that is modified with an acid end group.

No. of Pages: 35 No. of Claims: 12

(21) Application No.4191/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: ORTHOPEDIC EXTERNAL COMPRESSION PLATE

(51) International classification	:A61B17/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Dr.P.KANNAN
(32) Priority Date	:NA	Address of Applicant :Vasan Orthocare Clinic No.5/22
(33) Name of priority country	:NA	Valluvar Salai Ramapuram Chennai - 89 Tamil Nadu India
(86) International Application No	:NA	2)Ms. S.Swarna
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Dr. P.KANNAN
(61) Patent of Addition to Application Number	:NA	2)Ms. S.Swarna
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		1

#### (57) Abstract:

An embodiment herein provides an orthopedic external compression unit having a locking plate unit and a method for locking and compressing the fractured bones without contact and friction between plate and bone, wherein the locking plate unit comprises of a locking plate, an external apparatus and a holder, wherein the locking plate includes plurality locking holes and at least an elongated hole, wherein the holder is placed at the elongated hole. The holder is configured to hold the locking plate above the bone for enabling to make required movement of locking plate in horizontal direction. Accordingly, fastening the compressing unit using a non-locking screw to the plate converts the vertical movement of head-screw into horizontal movement of connecting rod of the compression unit, thereby enabling to move the plate along with one end of fractured bone towards the fractured site thus producing compression between the fractured bones.

No. of Pages: 32 No. of Claims: 20

(21) Application No.7277/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :22/08/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: TETRAZOLYLOXIME DERIVATIVE OR A SALT THEREOF AND GERMICIDE

(51) International :C07D401/12,A01N43/713,C07D401/14 classification

(31) Priority Document

:2010043348

:Japan

No

(32) Priority Date :26/02/2010

(33) Name of priority

country

(86) International

:PCT/JP2011/052995 Application No

:14/02/2011 Filing Date

(87) International

**Publication No** 

:WO 2011/105239

(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 Soda Co. Ltd.

Address of Applicant: 2 1 Ohtemachi 2 chome Chiyoda ku

Tokyo 1008165 Japan (72)Name of Inventor:

1)ITO Syuichi

2) URIHARA Ichirou 3)NOMURA Hazumi

4)MUKOHARA Yukuo

#### (57) Abstract:

Disclosed are a tetrazolyloxime derivative and a salt thereof that have an excellent antagonistic effect with respect to plant disease. Further disclosed is a germicide. The germicide contains as an active ingredient at least one compound selected from the tetrazolyloxime derivative represented by formula 6 and a salt thereof. In formula 6 X represents a halogen atom or the like A represents a tetrazolyl group R represents a halogen atom or the like D represents a single bond or an oxygen atom E represents a single bond or an alkylene chain R and R each independently represent an alkoxy group or the like and R represents a hydrogen atom or an alkyl group.

No. of Pages: 87 No. of Claims: 3

(21) Application No.9350/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: OPTICAL WAVEGUIDE BODIES WITH HIGH LIGHT INTENSITY AND HIGH TRANSPARENCY

(51) International classification	:G02B6/00,F21V8/00	(71)Name of Applicant :
(31) Priority Document No	:10159342.4	1)EVONIK R-HM GMBH
(32) Priority Date	:08/04/2010	Address of Applicant :Kirschenallee 64293 Darmstadt
(33) Name of priority country	:EPO	Germany
(86) International Application No	:PCT/EP2011/052706	(72)Name of Inventor:
Filing Date	:24/02/2011	1)SCHMIDT Jann
(87) International Publication No	:WO 2011/124412	2)PISULA Wojciech
(61) Patent of Addition to Application	:NA	3)STEIN Peter
Number	:NA	4)ROTH Christian
Filing Date	.11/1	5)SCHWARZ BARAC Sabine
(62) Divisional to Application Number	:NA	6)ROCHHOLZ Heiko
Filing Date	:NA	7)BAUM Alexander

# (57) Abstract:

The invention relates to optical waveguide bodies with improved light intensity and transparency to a method for the production thereof and to the use thereof.

No. of Pages: 34 No. of Claims: 14

(21) Application No.9352/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: A BIOCIDAL POLYOLEFIN YARN WITH 3 12 FILAMENTS

(51) International classification :D01F1/10,D01F6/06,A01N25/34 (71)Name of Applicant:

:PCT/DK2010/050079 (31) Priority Document No

(32) Priority Date :07/04/2010 (33) Name of priority country :Denmark

(86) International Application :PCT/DK2011/050116

No :07/04/2011 Filing Date

(87) International Publication :WO 2011/124228

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1) VESTERGAARD FRANDSEN SA

Address of Applicant : Chemin Messidor 5 7 CH 1006

Lausanne Switzerland (72)Name of Inventor: 1)ZELLWEGER Matthieu 2)PEDERSEN Michael Stanley

3)GOUIN Sebastien 4) VESTERGAARD FRANDSEN Mikkel

5)ROORDA Sicco Dirk 6)HOANG Huyen Thanh

(57) Abstract:

A multifilament thermoplastic polymer yarn into which a biocide especially an insecticide is incorporated where the number of filaments is 3 to 12. The yarn is especially useful for a long lasting insecticidal net with polypropylene yarns containing Deltamethrin.

No. of Pages: 30 No. of Claims: 35

(21) Application No.9353/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: INJECTION CONTROL METHOD

(51) International classification	:F02D41/34,F02P7/077	(71)Name of Applicant :
(31) Priority Document No	:10159319.2	1)DELPHI TECHNOLOGIES HOLDING SR.L.
(32) Priority Date	:08/04/2010	Address of Applicant :Avenue de Luxembourg L 4940
(33) Name of priority country	:EPO	Bascharage Luxembourg
(86) International Application No	:PCT/EP2011/055503	(72)Name of Inventor:
Filing Date	:08/04/2011	1)GUERRASSI Noureddine
(87) International Publication No	:WO 2011/124679	2)ALLEZY Pierre
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.ivA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A method of determining whether a cylinder (1 2 3 4) in an engine system (90) comprising a plurality of cylinders is ready for injection/ignition the method comprising: monitoring (122) the in cylinder pressure of each of the plurality of cylinders within the engine system; determining (124) a pressure related parameter for each cylinder within the engine system; wherein in the event that the pressure related parameter in a given cylinder exceeds a first threshold the method further comprises performing a diagnostic test in order to determine whether the given cylinder is ready for injection/ignition.

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

(21) Application No.9356/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012 (43) Publication Date: 11/04/2014

(54) Title of the invention: CHEMICAL REACTOR WITH A PLATE HEAT EXCHANGER

:B01J8/02,B01J19/24,F28D9/00 (71)Name of Applicant : (51) International classification

:10159414.1 (31) Priority Document No

(32) Priority Date :08/04/2010

(33) Name of priority country :EPO

(86) International Application No :PCT/EP2011/053761

Filing Date :14/03/2011

(87) International Publication No: WO 2011/124442

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

Filing Date

(62) Divisional to Application :NA Number

:NA Filing Date

1)METHANOL CASALE SA

Address of Applicant : Via Giulio Pocobelli 6 CH 6900

Lugano Besso Switzerland (72)Name of Inventor: 1)RIZZI Enrico

2)FILIPPI Ermanno

3)TAROZZO Mirco

## (57) Abstract:

A steam cooled chemical reactor (1) comprising a vertical vessel (2) a plate heat exchanger embedded in a catalytic bed to cool the catalytic bed by evaporation of a cooling water flow wherein a water inlet and a steam outlet are located underneath the heat exchanger and the plates and related piping are arranged so that the path of the cooling flow comprises a first ascending path from bottom to top of the catalytic bed and a second descending path from top to the bottom of catalytic bed and wherein internal evaporation channels of the plates provide the second descending or the first ascending path and water upcomers or respectively steam downcomers provide the other of said first and second path.

No. of Pages: 22 No. of Claims: 12

(21) Application No.3255/CHE/2008 A

(19) INDIA

(22) Date of filing of Application :23/12/2008

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD AND SYSTEM FOR SEARCHING OF MEDIA FILES IN ELECTRONIC DEVICES

(51) International classification	·GO6E	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Samsung India Software Operations Private Limited.
· · · · · · · · · · · · · · · · · · ·		
(32) Priority Date	:NA	Address of Applicant :Bagmane Lakeview Block 'B' No.
(33) Name of priority country	:NA	66/1 Bagmane Tech Park C.V. Raman Nagar Byrasandra
(86) International Application No	:NA	Bangalore India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Pavan Sudheendra
(61) Patent of Addition to Application Number	:NA	2)Raghu Tumkur Nagaraja
Filing Date	:NA	3)Shubham Baidyanath Bhattacharya
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is a method for searching of media files in an electronic device. The method comprises receiving a query from a user in the electronic device. The method further includes performing a plurality of leveled searches for the query on the media files, where the plurality of leveled searches is performed by searching the query on a plurality of levels. Each of the plurality of levels is associated with at least one attribute of a media file. The method further includes assigning a ranking to each of a plurality of search results based on a first pre-defined rule, where the plurality of search results is obtained on performing the plurality of leveled searches. Thereafter, the method includes providing a list of search results from the plurality of search results to the user based on the ranking assigned to each of the plurality of search results.

No. of Pages: 27 No. of Claims: 18

(21) Application No.4139/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :04/10/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: PHOSPHOR RECOVERY METHOD

(51) Intermedian 1 -1: Greation	COOK	(71) Name of Amelianna
(51) International classification	:C09K	(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)GOURISHANKAR, KARTHICK VILAPAKKAM
(87) International Publication No	: NA	2)RAMACHANDRA, SRINIDHI
(61) Patent of Addition to Application Number	:NA	3)SUNDARARAJAN, GURUPRASAD
Filing Date	:NA	4)SRIVASTAVA, ALOK MANI
(62) Divisional to Application Number	:NA	5)RAMACHANDRAN, GOPI CHANDRAN
Filing Date	:NA	

## (57) Abstract:

A method of separating a phosphor material from a starting mixture is disclosed. The separating includes the steps of leaching with a first mineral acid solution to form a leached solution and a residual solid mixture; applying a magnetic field to magnetically separate a desirable portion comprising the phosphor material; heat-treating to form a heat-treated mixture; and chemically separating the phosphor material from impurities; and drying the phosphor material.

No. of Pages: 16 No. of Claims: 13

(21) Application No.8957/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/10/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: APPARATUS AND METHOD FOR PRODUCING PACKS FOR CIGARETTES

:B65B19/20,B65B19/22 (71)Name of Applicant : (51) International classification (31) Priority Document No :10 2010 018 238.9 1)FOCKE & CO. (GMBH & CO. KG) (32) Priority Date :23/04/2010 Address of Applicant : Siemensstrasse 10 27283 Verden (33) Name of priority country :Germany Germany :PCT/EP2011/001237 (86) International Application No (72)Name of Inventor: 1)ROESLER Burkard Filing Date :14/03/2011 (87) International Publication No :WO 2011/131274 2)MEYER Claus (61) Patent of Addition to Application 3)STEINKAMP Irmin :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

The invention relates to an apparatus for producing packs for cigarettes in particular packs of the hinge lid type having a folding turret (10) which is driven in particular cyclically in rotation and has circumferentially distributed pockets (21) for accommodating a blank (11) for a pack and pack contents (20) wherein the blank (11) is folded on the folding turret (10) as it is being transported. According to the invention it is provided that the pockets (21) are assigned folding mechanisms (22) for the purpose of folding folding flaps of the respective blank (11) as supporting means for the pack contents (20) and wherein the folding mechanisms (22) provide a stop for the pack contents (20) upon introduction into the respective pocket (21).

No. of Pages: 29 No. of Claims: 14

(21) Application No.9391/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: COMMUNICATION CONSOLE WITH COMPONENT AGGREGATION

(51) International classification	:G06F3/00	(71)Name of Applicant:
(31) Priority Document No	:12/755849	1)ON24 INC.
(32) Priority Date	:07/04/2010	Address of Applicant :833 Market Street Suite 612 San
(33) Name of priority country	:U.S.A.	Francisco CA 94103 U.S.A.
(86) International Application No	:PCT/US2011/031513	(72)Name of Inventor:
Filing Date	:07/04/2011	1)SAHASI Jayesh
(87) International Publication No	:WO 2011/127237	2)ROJAS Brent
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Systems methods and devices are provided for a presentation including a communications console with component aggregation. In one potential implementation a computing device with an application framework receives a communication manager object via a network connectivity device and executes the communication manager object within the application framework. The computing device may then receive and execute communications components and a presentation components within the application framework using the communication manager object. The communication manager object may then manages interface and display of the presentation information via the application framework as modified by communication components.

No. of Pages: 27 No. of Claims: 19

(21) Application No.9393/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: HETEROARYL CYCLOHEXYL TETRAAZABENZO[E]AZULENES

(51) International :C07D487/04,A61K31/5517,A61P25/00

classification (31) Priority Document

No

:10 162 451.8 (32) Priority Date :10/05/2010

(33) Name of priority :EPO

country

(86) International

:PCT/EP2011/057368 Application No :09/05/2011

Filing Date

(87) International

:WO 2011/141396 **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)F. HOFFMANN LA ROCHE AG

Address of Applicant: Grenzacherstrasse 124 CH 4070 Basel

Switzerland

(72)Name of Inventor: 1)DOLENTE Cosimo 2) SCHNIDER Patrick

#### (57) Abstract:

The present invention is concerned with heteroaryl cyclohexyl tetraazabenzo[e]azulenes of formula (I) wherein R R and R are as described herein. The compounds according to the invention act as Via receptor modulators and in particular as Via receptor antagonists their manufacture pharmaceutical compositions containing them and their use as medicaments. The active compounds of the present invention are useful as therapeutics acting peripherally and centrally in the conditions of dysmenorrhea male or female sexual dysfunction hypertension chronic heart failure inappropriate secretion of vasopressin liver cirrhosis nephrotic syndrome anxiety depressive disorders obsessive compulsive disorder autistic spectrum disorders schizophrenia and aggressive behavior.

No. of Pages: 211 No. of Claims: 25

(21) Application No.8972/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/10/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: DOUBLE LAYER PHARMACEUTICAL FORMULATIONS CONTAINING OPIOID AGONISTS AND ANTAGONISTS

:A61K9/20,A61K31/485 (71)Name of Applicant : (51) International classification (31) Priority Document No :FI2010A000047 1)L. MOLTENI & C. DEI FRATELLI ALITTI SOCIETA (32) Priority Date :24/03/2010 DI ESERCIZIO S.P.A. (33) Name of priority country :Italy Address of Applicant :SS 67 Tosco Romagnola Localit (86) International Application No :PCT/EP2011/054463 Granatieri I 50018 Scandicci Italy Filing Date :23/03/2011 (72) Name of Inventor: (87) International Publication No :WO 2011/117306 1)ANGELI Roberto (61) Patent of Addition to Application 2) RAFFAELI William :NA Number 3)RIGAMONTI Maria Adele :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

## (57) Abstract:

Immediate release formulations are described consisting of double layer tablets wherein one layers contains an opioid agonist and the other an opioid antagonist.

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

(21) Application No.8973/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 18/10/2012 (43) Publication Date: 11/04/2014

(54) Title of the invention: PROCESS FOR PRODUCING MINERAL OIL USING SURFACTANTS BASED ON A MIXTURE OF C32 GUERBET C34 GUERBET C36 GUERBET CONTAINING ALKYL ALKOXYLATES

(51) International classification: C09K8/584,C11D1/06,C11D1/29 (71)Name of Applicant:

:14/04/2011

:WO 2011/131549

:10160888.3 (31) Priority Document No (32) Priority Date :23/04/2010

(33) Name of priority country :EPO

(86) International Application :PCT/EP2011/055884

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)BASF SE

Address of Applicant :67056 Ludwigshafen Germany

(72)Name of Inventor: 1)BITTNER Christian 2)OETTER G1/4nter 3)TINSLEY Jack

4)SPINDLER Christian

5) ALVAREZ JRGENSON Gabriela

6)MAITRO VOGEL Sophie

7) NEUMANN Petra 8)WLOKA Veronika 9)BOCK Martin

#### (57) Abstract:

The present invention relates to a process for mineral oil extraction by means of Winsor type III microemulsion flooding, in which an aqueous surfactant formulation comprising at least three ionic surfactants which are different with regard to the alkyl moiety (R1)(R2)-CH-CH2- and are of the general formula (R1)(R2)-CH-CH2-0-(D)n-(B)m-(A)rXYa-a/b Mb+ is injected through injection boreholes into a mineral oil deposit, and crude oil is withdrawn from the deposit through production boreholes. The invention further relates to surfactant formulations of ionic surfactants of the general formula.

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

(21) Application No.9402/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: FEEDBLOCK FOR MANUFACTURING MULTILAYER POLYMERIC FILMS

(51) International :B29C47/06,B29C47/70,B32B37/00 classification

(31) Priority Document No :61/332401

(32) Priority Date :07/05/2010 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2011/033724

No :25/04/2011 Filing Date

(87) International Publication: WO 2011/139618

(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)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:

3)FAY William T.

1)NEAVIN Terence D. 2)BIEGLER Robert M.

#### (57) Abstract:

A feedblock including a first packet creator that forms a first packet including a first plurality of polymeric layers the first plurality of layers including at least four first individual polymeric layers; and a second packet creator that forms a second packet including a second plurality of polymeric layers the second plurality of layers including at least four second individual polymeric layers wherein the first and second packet creators are configured such that for each packet creator respective individual polymeric layers of the plurality of polymeric layers are formed at approximately the same time. The feedblock may include a packet combiner that receives and combines the first and second primary packets to form a multilayer stream. In some examples at least one of the first and second primary packets may be spread in the cross web direction prior to being combined with one another.

No. of Pages: 90 No. of Claims: 47

(21) Application No.9403/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: CONCENTRATION OF SUSPENSIONS

(51) International classification	:B01D21/01	(71)Name of Applicant:
(31) Priority Document No	:10159541.1	1)BASF SE
(32) Priority Date	:09/04/2010	Address of Applicant :67056 Ludwigshafen Germany
(33) Name of priority country	:EPO	2)BASF (CHINA) COMPANY LIMITED
(86) International Application No	:PCT/IB2011/051516	(72)Name of Inventor:
Filing Date	:08/04/2011	1)STOCKS Paul
(87) International Publication No	:WO 2011/125047	2)FLANAGAN Ian John
(61) Patent of Addition to Application	:NA	3)BRODT Gregor
Number	:NA	4)ADKINS Stephen
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A process of forming a second aqueous suspension of solid particles (15) by gravity sedimentation of a first aqueous suspension of solid particles (14) in a vessel (13) comprising the steps of adding at least one organic polymeric flocculant (12) to the first aqueous suspension of solid particles (14) thereby forming a suspension of flocculated solids (1 1) which flocculated solids settle to form a bed of consolidated solids (5) introduction of an effective amount of an agent into the i) bed of consolidated solids (5) or ii) the flocculated solids that are settling (1 1) in order to form the second aqueous suspension (15) in which the second aqueous suspension of solid particles (15) is of higher solids content than the first aqueous suspension of solid particles (14) and in which the agent is selected from the group consisting of free radical agents and oxidising agents wherein the agent is introduced means selected from the group consisting of A) one or more rakes (10) which convey the agent; B) one or more conduits (16) entering through the top of the vessel through which the agent is introduced C) one or more apertures or conduits (17) in the side walls of the vessel through which the agent is introduced; E) introducing the agent through one or more apertures or conduits (19) in the feed line conveying the bed of consolidated solids from the base of the vessel preferably between the base of the vessel and a pump; and F) one or more sparges (20) through which the agent is introduced.

No. of Pages: 22 No. of Claims: 14

(21) Application No.2604/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :29/06/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD AND DEVICE FOR HANDLING EVENT INVOCATION USING A STYLUS PEN

(51) International classification	:G06F	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SAMSUNG INDIA SOFTWARE OPERATIONS
(32) Priority Date	:NA	PRIVATE LIMITED
(33) Name of priority country	:NA	Address of Applicant :Bagmane Lakeview Block B No. 66/1
(86) International Application No	:NA	Bagmane Tech Park C V Raman Nagar Byrasandra Bangalore
Filing Date	:NA	560093 Karnataka India
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)BOLLINENI Vijay
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention provides a method and device for handling an event invocation at a touchscreen. The method includes the steps of identifying the event invocation at a touchscreen of the device, determining if the event invocation is performed using a distal end of the stylus pen, fetching an assigned predefined action with respect to the event invocation using the distal end of the stylus pen, receiving a confirmation that the assigned predefined action is acceptable, and performing the assigned predefined action for the event invocation by the distal end of the stylus pen.

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

(21) Application No.7881/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 12/09/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: A METHOD FOR THE MANUFACTURE OF A WEAR PAD FOR A BAND SAW BLADE GUIDE SUCH A WEAR PAD AND THE USE OF A STEEL MATERIAL FOR PRODUCING THE WEAR PAD

(51) International :B23D55/08,C22C33/02,C22C38/24

classification

(31) Priority Document No :10502441 (32) Priority Date :17/03/2010 (33) Name of priority country: Sweden

(86) International Application: PCT/SE2011/050256

:09/03/2011

Filing Date

(87) International Publication :WO 2011/115547

(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)UDDEHOLMS AB

Address of Applicant :S 683 85 Hagfors Sweden

(72)Name of Inventor: 1)BOSTR-M Jan

#### (57) Abstract:

A wear pad of a band saw guide exposed to wear from a moving band saw blade is produced in a powder metallurgical manner from a steel material having the following composition (1) in per cent by weight: and further 7.5 to 14 of (V + Nb/2) wherein the contents of N on one hand and of (V + Nb/2) the other hand are balanced in relation to each other so that the contents of said elements are within an range I F G H I in a perpendicular plane coordinate system where the content of N is the abscissa and the content of V + Nb/2 is the ordinate and where the coordinates (2) for said points are: and max 7 of any of Ti Zr and A1; balance essentially only iron and unavoidable impurities.

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

(21) Application No.8807/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 15/10/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: MACHINE FRAME FOR A ROLLER PRESS

(51) International classification :B30B3/04,B02C4/02,B02C4/28 (71)Name of Applicant :

(31) Priority Document No :10 2010 015 374.5

(32) Priority Date :20/04/2010

(33) Name of priority country :Germany

(86) International Application No: PCT/EP2011/053925

Filing Date :16/03/2011

(87) International Publication No: WO 2011/131427

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

(62) Divisional to Application :NA

Number :NA

Filing Date

1)KHD HUMBOLDT WEDAG GMBH

Address of Applicant: Colonia Allee 3 51067 Kln Germany

(72)Name of Inventor:

1)FRANGENBERG Meinhard

#### (57) Abstract:

The invention relates to a machine frame (20) for a high pressure roller press (10) for receiving the rollers (31 32) in the bearings (33 34 35 36) of said press comprising at least one first frame element (41) below the rollers (31 32) at least one second frame element (42) wherein at least one connecting element (43 44) is provided for connecting the at least one first frame element (41) to the at least one second frame element (42). According to the invention the at least one connecting element (43 44) has a U shaped design forming two limbs (45 46 47 48). As a result the frame can be designed with smaller dimensions and in one piece because no releasable connections are necessary in said configuration of the machine frame. Said design saves weight and makes handling easier.

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

(21) Application No.9433/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: ANTI ERBB3 ANTIBODIES

(51) International		(71)Name of Applicant:
classification	:C07K16/32,A61K39/395,A61P35/00	,
(31) Priority Document No	:61/322712	Address of Applicant :75 Sidney Street Fourth Floor
(32) Priority Date	:09/04/2010	Cambridge MA 02139 U.S.A.
(33) Name of priority	.07/04/2010	(72)Name of Inventor:
country	:U.S.A.	1)VINCENT Sylvie
(86) International	ļ	2)WINSTON William M. Jr.
` '	:PCT/US2011/031829	3)WANG Fang
Application No Filing Date	:08/04/2011	4)WEILER Solly
(87) International	ļ	5)MEETZE Kristan
Publication No	:WO 2011/136911	6)BREAULT Lyne
	ļ	7)BOTTEGA Steve
(61) Patent of Addition to	:NA	8)CHEN Ting
Application Number	:NA	9)DEPRIMA Michael
Filing Date	ļ	10)FLEET Christina
(62) Divisional to	:NA	11)TYLER Steven
Application Number	:NA	12)WOO Jin Kyeung
Filing Date	ļ	13)GYURIS Jeno

# (57) Abstract:

Monoclonal antibodies that bind and inhibit activation of epidermal growth factor receptor related member ErbB3/HER3 are disclosed. The antibodies can be used to treat cell proliferative diseases and disorders including certain forms of cancer associated with activation of ErbB 3/HER3.

No. of Pages: 272 No. of Claims: 54

(21) Application No.9434/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: CIRCUIT ARRANGEMENT FOR OPERATING A TORQUE WRENCH OR SIMILAR

<ul><li>(51) International classification</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>	:B25B21/00,B25B23/145 :10 2010 020 258.4 :11/05/2010 :Germany :PCT/DE2011/001043	(71)Name of Applicant:  1)L—SOMAT SCHRAUBTECHNIK NEEF GMBH Address of Applicant: Bertha Benz Strasse 12 71665 Vaihingen/Enz Germany (72)Name of Inventor:
Filing Date (87) International Publication No (61) Patent of Addition to Application Number	:06/05/2011 :WO 2011/150909 A1 :NA :NA	1)GAREIS Marc
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The invention relates to a circuit arrangement for operating a hydraulic torque wrench or similar comprising a piston cylinder unit (18) that can be controlled at a predetermined pressure by a pump (11). Said arrangement is characterised in that the piston cylinder unit (18) can be controlled by the pump (11) by means of a proportional valve (12) which acts both as a reversing unit between the forward and return travel and as a pressure control valve.

No. of Pages: 8 No. of Claims: 4

(21) Application No.9441/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/11/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: STEREOSCOPIC IMAGE DISPLAY METHOD AND STEREOSCOPIC IMAGE DISPLAY DEVICE

(51) International :H04N13/04,G02B27/22,G02F1/13 classification

(31) Priority Document No :2010-112625

(32) Priority Date :14/05/2010 (33) Name of priority country: Japan

(86) International Application :PCT/JP2011/052638

No :08/02/2011

(87) International Publication

Filing Date

:WO 2011/142152 A1

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

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

(71)Name of Applicant:

1)SHARP KABUSHIKI KAISHA

Address of Applicant :22 22 Nagaike cho Abeno ku Osaka shi

Osaka 5458522 Japan (72)Name of Inventor: 1)HIRATA Mitsuaki

2) UCHIDA Toshihisa

#### (57) Abstract:

Disclosed is a stereoscopic image display method wherein when a right eye image and a left eye image corresponding to a disparity for an observer to visually recognize a stereoscopic image are switched at for example every two frames a gradation transition emphasis process is performed for each frame and also during a visual recognition period (for example frame F2) where the observer visually recognizes the stereoscopic image the gradation transition emphasis process is performed so that when display luminance of a current pixel belonging to a disparity area is subjected to transition from a display luminance corresponding to 160 gradations to a display luminance corresponding to 32 gradations an average luminance during the visual recognition period becomes substantially equal to the display luminance corresponding to 32 gradations.

No. of Pages: 102 No. of Claims: 10

(21) Application No.9443/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: INFORMATION PROCESSING TERMINAL TERMINAL OPERATION METHOD AND COMPUTER READABLE MEDIUM

(51) International :G06F3/033,G06F3/038,H04M1/00 classification

(31) Priority Document No :2010110008 (32) Priority Date :12/05/2010

(33) Name of priority country: Japan

(86) International Application :PCT/JP2011/001758

No :25/03/2011 Filing Date

(87) International Publication

:WO 2011/142075 No

(61) Patent of Addition to  $\cdot NA$ **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)KUROSE Takafumi

## (57) Abstract:

A display (1) and an information processing terminal main unit (2) are connected with each other by an elastic body (4) via a space (6) upon which the display (1) can be moved so that by a press operation of the display (1) by a finger of a user either functionality as a directional key or functionality as a confirmation key is executed. Here vertical movement of the display (1) toward the top surface of the information processing terminal main unit (2) is detected at a press detector (5) and when a slide movement of the display (1) toward any direction of the sidewall surface of the information processing terminal main unit (2) is detected at a sensor (3) then if the movement distance which has been detected by the sensor (3) exceeds a pre defined movement threshold functionality as the directional key is executed and if the movement distance is less than or equal to the movement threshold functionality as the confirmation key is executed. As a result it is possible for the information processing terminal to secure maximum screen area and without impeding miniaturization to have more intuitive operability be easy to operate and prevent malfunction.

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

(21) Application No.9446/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD FOR PLANAR IMPLEMENTATION OF P/8 GATE IN CHIRAL TOPOLOGICAL SUPERCONDUCTORS

(51) International :G06N99/00,H01L39/00,H01B12/02

classification

(31) Priority Document No :61/347022 (32) Priority Date :21/05/2010 (33) Name of priority country:U.S.A.

(86) International :PCT/US2011/037430

Application No :20/05/2011 Filing Date

(87) International Publication :WO 2012/021198 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)MICROSOFT CORPORATION

Address of Applicant :One Microsoft Way Redmond

Washington 98052 6399 U.S.A.

(72)Name of Inventor:

1)BONDERSON Parsa 2)FREEDMAN Michael

3)NAYAK Chetan 4)WALKER Kevin

5)FIDKOWSKI Lukasz

#### (57) Abstract:

Disclosed herein is a topologically protected p/8 gate which becomes universal when combined with the gates available through quasi particle braiding and planar quasi particle interferometry. A twisted interferometer and a planar p/8 gate in CTS implemented with the help of the twisted interferometer are disclosed. Embodiments are described in the context of state X (CTS) supported by an ISH although the concept of a twisted interferometer is more general and has relevance to all anionic i.e. quasiparticle systems.

No. of Pages: 46 No. of Claims: 15

(21) Application No.9447/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: ANCHORED CARDIAC ABLATION CATHETER

(51) International classification	:A61M29/00	(71)Name of Applicant:
(31) Priority Document No	:61/331537	1)AUTOMATED MEDICAL INSTRUMENTS INC.
(32) Priority Date	:05/05/2010	Address of Applicant :60 Richard Road Needham MA 02492
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2011/035348	(72)Name of Inventor:
Filing Date	:05/05/2011	1)SKLAR Martin J.
(87) International Publication No	:WO 2011/140331	2)GUTHERMANN Howard E.
(61) Patent of Addition to Application	:NA	3)RING Howard
Number	:NA	
Filing Date	.1111	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

An apparatus and method for performing cardiac ablations employs a catheter comprising an anchoring device and an ablating device to perform the ablations to electrically isolate the pulmonary veins and left atrium from surrounding atrial tissue. The anchor can comprise a balloon type device a stent like device a strut like device a spring strut like device an umbrella like device a mushroom like device or other device that allows the catheter to maintain a position with respect to target tissue. The ablator can comprise a balloon ablator an umbrella ablator a pinwheel ablator an umbrella ablator incorporating a cinch mechanism a mushroom balloon ablator and a segmented balloon or pinwheel ablator. The anchor and ablator can also comprise a combination mushroom balloon anchor section and mushroom balloon ablator section. The anchor and ablator can include electrodes for measuring a conductance therebetween when in deployed position so as to determine the effectiveness of the ablation.

No. of Pages: 39 No. of Claims: 14

(21) Application No.3555/CHE/2011 A

(19) INDIA

(22) Date of filing of Application: 17/10/2011

(43) Publication Date: 11/04/2014

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF MUSCARINIC RECEPTOR ANTAGONIST

(51) International classification	:C07D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MSN LABORATORIES LIMITED
(32) Priority Date	:NA	Address of Applicant :FACTORY: SY.NO:317 & 323,
(33) Name of priority country	:NA	RUDRARAM (VIL), PATANCHERU (MDL), MEDAK (DIST) -
(86) International Application No	:NA	502 329 Andhra Pradesh India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SRINIVASAN THIRUMALAI RAJAN
(61) Patent of Addition to Application Number	:NA	2)SAJJA ESWARAIAH
Filing Date	:NA	3)PERI SEETHA RAMA SARMA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention relates to a process for the preparation of isobutyric acid 2-((R)-3-dissorpropylammounium-1-phenylpropyl)-4-(hydroxymethyl) phenyl ester represented by the following structural formula-1 and its pharmaceutically acceptable salts threof.

No. of Pages: 49 No. of Claims: 13

(21) Application No.4146/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :04/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: CONFIGURABLE SC-FDMA UPLINK MODULE

(71) T	110.41.07./00	(711)NT
(51) International classification	:H04L2//00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)M.S. RAMAIAH SCHOOL OF ADVANCED STUDIES
(32) Priority Date	:NA	Address of Applicant :#470-P, PEENYA INDUSTRIAL
(33) Name of priority country	:NA	AREA, PEENYA 4TH PHASE, BENGALURU 560 058
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)B.C. RAGHAVENDRA
(61) Patent of Addition to Application Number	:NA	2)P. CYRIL PRASANNA RAJ
Filing Date	:NA	3)K. PADMANABAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

In one embodiment of the present invention a reconfigurable SC-FDMA uplink front end module for 3 GPP LTE system is implemented which is flexible for any bandwidth. The bandwidth for uplink specified by LTE, ranges from 1.25 MHz to 20 MHz with sub frame duration of 0.5ms. The present invention uses only single FFT which is reconfigurable to any of the above particular bandwidth. The flexibility may be achieved by deploying extra customize blocks such as converts and interpreters. In another embodiment of the present invention 16-QAM digital modulation technique is employed providing only amplitude information. The 16-QAM is coupled to FFT block through converter and interpreter blocks. In yet another embodiment SC-FDMA model is deployed in Xilinx FPGA with convert and reinterpret.

No. of Pages: 21 No. of Claims: 8

(21) Application No.4147/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :04/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD FOR ESTIMATING AND CONTROLLING THE VOLUME OF A SOLID

(51) International classification (31) Priority Document No (32) Priority Date	:NA :NA	(71)Name of Applicant:  1)M.S. RAMAIAH SCHOOL OF ADVANCED STUDIES Address of Applicant:#470-P, PEENYA INDUSTRIAL
<ul><li>(33) Name of priority country</li><li>(86) International Application No Filing Date</li></ul>	:NA :NA :NA	AREA, PEENYA 4TH PHASE, BENGALURU - 560 058 Karnataka India (72)Name of Inventor:
(87) International Publication No (61) Patent of Addition to Application Number	: NA :NA	1)ARCHANA P. PATIL 2)N.D. GANGADHAR
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

According to aspect of the present invention, the volume of the chip profile is determined using volume of the part profile and blank profile. The chip volume is obtained by subtracting part volume with the blank volume. In the present invention, the determination of volume is made through solid of revolution (SOR) method. The volume of SOR of a profile is determined by considering line segments and curves in the profile. The start and end points of the lines and curves are determined and joined to form a shape. The volume of the shapes is then determined using respective formulae. The volumes are then added or subtracted to obtain the final/total volume. Thus, the total volume is computed for part and blank profile to obtain the chip profile.

No. of Pages: 25 No. of Claims: 8

(21) Application No.8697/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :10/10/2012 (43) Publication Date : 11/04/2014

# (54) Title of the invention : VEHICLE NAVIGATION SYSTEM AND METHOD FOR DETERMINING A DEGREE OF CURVINESS OF A ROUTE

(51) T	G01 G01 /0.4	(71) 71
(51) International classification	:G01C21/34	(71)Name of Applicant :
(31) Priority Document No	:12/727101	1)HARMAN INTERNATIONAL INDUSTRIES
(32) Priority Date	:18/03/2010	INCORPORATED
(33) Name of priority country	:U.S.A.	Address of Applicant :8500 Balboa Blvd. Northridge CA
(86) International Application No	:PCT/US2011/028958	91329 U.S.A.
Filing Date	:18/03/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2011/116265	1)MONTEALEGRE Steven
(61) Patent of Addition to Application	:NA	2)HAASE Robert
Number		3)BOUFELLIGA Rhita
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

linearlinearA system and method is provided for identifying and generating a route that provides a driver with an exhilarating ride. In an example method the navigation system obtains location data for routes between a starting and ending location. The location data is analyzed by identifying points of inflection of the curved road portion. At least one curved segment is identified as being road portions between the points of inflection. A linear distance L is measured between the points of inflection of the at least one curved segment. A curve depth H is measured by identifying the maximum distance between the line between the points of inflection and any point on the curved segment along a perpendicular to the line between points of inflection. A curved segment degree of curviness = H/L is calculated and used to determine the measure of curviness of the route.

No. of Pages: 38 No. of Claims: 20

(21) Application No.9508/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012 (43) Publication Date : 11/04/2014

# (54) Title of the invention: LOAD TRANSFER SWITCH FOR A TAP CHANGER

(51) International classification	:H01H9/00	(71)Name of Applicant:
(31) Priority Document No	:10 2010 020 180.4	1)MASCHINENFABRIK REINHAUSEN GMBH
(32) Priority Date	:11/05/2010	Address of Applicant: Falkensteinstrae 8 93059 Regensburg
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2011/000950	(72)Name of Inventor:
Filing Date	:26/02/2011	1)ALBRECHT Wolfgang
(87) International Publication No	:WO 2011/141082	2)DOBLER Claudia
(61) Patent of Addition to Application	:NA	3)H–PFL Klaus
Number	:NA	4)JATTA Martin
Filing Date	.11/1	5)KOTZ Christian
(62) Divisional to Application Number	:NA	6)REHKOPF Sebastian
Filing Date	:NA	

# (57) Abstract:

The present invention relates to a load transfer switch for a tap changer comprising permanent main contacts that switch powerlessly for each phase. The general inventive concept lies in connecting the fixed permanent main contacts of side A or B of the load transfer switch by means of a movable rail shaped permanent main contact that establishes an electrical connection to the corresponding permanent main contacts of the load line only in the end positions of the movable rail shaped permanent main contact and in addition only provides for a single deflection for actuation which connects in a purely compressive manner the plurality of contact fins of the corresponding fixed permanent main contact which contact fins are connected in a resilient articulated manner.

No. of Pages: 15 No. of Claims: 4

(21) Application No.9364/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: CONICAL IMPACT MILL

(51) International classification	:B02C13/14,B02C13/28	(71)Name of Applicant:
(31) Priority Document No	:10159959.5	1)AIR PRODUCTS AND CHEMICALS INC.
(32) Priority Date	:14/04/2010	Address of Applicant :7201 Hamilton Boulevard Allentown
(33) Name of priority country	:EPO	Pennsylvania 18195 1501 U.S.A.
(86) International Application No	:PCT/EP2011/055559	(72)Name of Inventor:
Filing Date	:08/04/2011	1)TREMBLEY Jean Philippe
(87) International Publication No	:WO 2011/128274	2)HANSFORD Neil Robert
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.ivA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A conical impact mill has a rotor assembly (1) in which impact elements (7) arranged in at least two axially spaced rows provide or can be adjusted to provide a grinding gap (a a) defined between the impact elements and a right frustoconical grinding surface of the mill housing (2) that is not constant in the axial and/or circumferential direction of the rotor assembly. Impact elements can be fixedly or adjustably mounted in the rotor assembly and/or the rows can be mutually adjustable axially to change the grinding gap.

No. of Pages: 34 No. of Claims: 14

(21) Application No.9365/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : METHOD FOR MODIFYING A HOT WALL AMMONIA REACTOR WITH VESSEL HAVING A PARTIAL OPENING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:10003825.6 :09/04/2010 :EPO	(71)Name of Applicant:  1)AMMONIA CASALE SA Address of Applicant: Via Giulio Pocobelli 6 CH 6900 Lugano Besso Switzerland (72)Name of Inventor: 1)BADANO Marco 2)TAROZZO Mirco 3)MAFFIETTI Federico
Filing Date	:NA	

#### (57) Abstract:

Method for modifying a hot wall ammonia reactor con vessel (2) having partial opening comprising: assembly directly inside the vessel (2) of a catalytic cartridge (7) with modular elements said modular elements being of a size compatible with introduction into the vessel through a pre existing partial opening (6) of the vessel and each comprising at least one panel (11); the panels (11) of said modular elements forming a substantially cylindrical outer wall (7a) of said cartridge (7) and an annular flux space (8) between said outer wall of the cartridge and an inner wall of the vessel; said panels (11) being provided with a respective heat insulation layer (13) before introduction into the vessel (2).

No. of Pages: 18 No. of Claims: 7

(21) Application No.9366/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: CLUAP1 PEPTIDES AND VACCINES INCLUDING THE SAME

(51) International :C07K7/06,A61K39/00,A61P35/00

classification

(31) Priority Document No :61/322099 (32) Priority Date :08/04/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/JP2010/006313

No :26/10/2010

Filing Date (87) International Publication :WO 2011/125139

(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)ONCOTHERAPY SCIENCE INC.

Address of Applicant: 2 1 Sakado 3 chome Takatsu ku

Kawasaki shi Kanagawa 2130012 Japan

(72)Name of Inventor: 1)NAKAMURA Yusuke 2)TSUNODA Takuya 3)OHSAWA Ryuji 4)YOSHIMURA Sachiko

5)WATANABE Tomohisa

#### (57) Abstract:

Peptide vaccines against cancer are described herein. In particular epitope peptides derived from the CLUAP1 gene that elicit CTLs are provided. Antigen presenting cells and isolated CTLs that target such peptides as well as methods for inducing the antigen presenting cell or CTL are also provided. The present invention further provides pharmaceutical compositions containing as active ingredient peptides derived from CLUAP1 or polynucleotides encoding the peptides as active ingredients. Furthermore the present invention provides methods for the treatment and/or prophylaxis (i.e. prevention) of cancers (tumors) and/or the prevention of postoperative recurrence thereof as well as methods for inducing CTLs methods for inducing anti tumor immunity using the peptides derived from CLUAP1 polynucleotides encoding the peptides or antigen presenting cells presenting the peptides or the pharmaceutical compositions of the present invention.

No. of Pages: 76 No. of Claims: 23

(21) Application No.9367/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : DIAGNOSIS DEVICE AND METHOD USING AN IN CYLINDER PRESSURE SENSOR IN AN INTERNAL COMBUSTION ENGINE

(51) International classification	:F02D41/22	(71)Name of Applicant:
(31) Priority Document No	:10159322.6	1)DELPHI TECHNOLOGIES HOLDING SR.L.
(32) Priority Date	:08/04/2010	Address of Applicant : Avenue de Luxembourg L 4940
(33) Name of priority country	:EPO	Bascharage Luxembourg
(86) International Application No	:PCT/EP2011/055506	(72)Name of Inventor:
Filing Date	:08/04/2011	1)GUERRASSI Noureddine
(87) International Publication No	:WO 2011/124680	2)ALLEZY Pierre
(61) Patent of Addition to Application	.NTA	
Number	:NA	
Filing Date	:NA	
$\mathcal{E}$		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		·

#### (57) Abstract:

A method of diagnosing faults within an engine system the engine system comprising a plurality of cylinders the method comprising: monitoring the output signal of one or more in cylinder pressure sensors within the engine system each of the one or more in cylinder pressure sensors being associated with a cylinder within the engine system; determining a pressure related parameter for a given cylinder having an associated in cylinder pressure sensor; and diagnosing the presence of faults within the engine system on the basis of the pressure related parameter.

No. of Pages: 26 No. of Claims: 17

(21) Application No.9547/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: SWITCHING SYSTEM

(51) International classification	:H01H9/00,H01H1/36	(71)Name of Applicant:
(31) Priority Document No	:10 2010 020 040.9	1)MASCHINENFABRIK REINHAUSEN GMBH
(32) Priority Date	:11/05/2010	Address of Applicant: Falkensteinstrae 8 93059 Regensburg
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2011/000856	(72)Name of Inventor:
Filing Date	:23/02/2011	1)SCHUSTER Thomas
(87) International Publication No	:WO 2011/141079 A1	
(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 invention relates to a switching system for a transformer consisting of a plurality of mutually parallel spaced apart contact bars (2) which are arranged in a circle around a center longitudinal axis (MLA) a switch shaft (3) extending along the center longitudinal axis (MLA) and a contact arrangement (4) fastened to the switch shaft (3) and having a plurality of contact elements (5) which are arranged such as to be at least radially displaceable in relation to the switch shaft (3). The contact surfaces (6) of the contact elements (5) facing the contact bars (2) are shaped such that the distance (d) of the contact surface (6) to the center longitudinal axis (MLA) is smaller in the center section (6.1) of the contact elements (5) than in the intermediate sections (6.2) adjoining the center section (6.1) on both sides and/or in the margin sections (6.3 6.4).

No. of Pages: 22 No. of Claims: 13

(21) Application No.4148/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :04/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: MAV NAVIGATED UGV

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G06T7/00 :NA :NA	(71)Name of Applicant:  1)M.S. RAMAIAH SCHOOL OF ADVANCED STUDIES Address of Applicant:#470-P, PEENYA INDUSTRIAL
(33) Name of priority country	:NA	AREA, PEENYA 4TH PHASE, BENGALURU 560 058
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)S.R. SHANKPAL
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A vessel is navigated in an unknown using a one or more micro aerial vehicles. The micro aerial vehicle is lunched from the vessel over the unknown terrain to capture the terrain information. In one embodiment, the terrain information is captured by a camera as sequence of images. The terrain information is sent to the vessel from the micro aerial vehicle. The terrain information is processed to generate a terrain map. The terrain map is used to navigate the vessel. In one embodiment, the vessel is an unmanned ground vehicle. According to another aspect, A UGV is provided with one or more entomopter. The UGV is configured to launch and control entomopter to capture the information about an unknown terrain. The information is then used to navigate the UGV over the unknown terrain. Thus, the UGV may be navigated over a terrain for which the information is not available a priory.

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

(21) Application No.9521/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD FOR PREVENTING IGNITION AND DEVICE FOR PREVENTING IGNITION IN **PULVERIZER**

carbon monoxide concentration measurement means (7) and the oxygen concentration measurement means (6) in a manner so as to change the partial pressure of oxygen in the mixed gas supplied to the pulverizer (5). With this constitution ignition within the

(51) International classification: F23K3/02,B02C23/04,B02C25/00 (71)Name of Applicant:

:10/05/2011

:2010-112059 (31) Priority Document No (32) Priority Date :14/05/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/060786

No

Filing Date :WO 2011/142368 A1

(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)KABUSHIKI KAISHA KOBE SEIKO SHO

Address of Applicant: 10 26 Wakinohama cho 2 chome Chuo

ku Kobe shi Hyogo 6518585 Japan

(72)Name of Inventor: 1)AKIYAMA Katsuya 2)PAK Haeyang

3)TAKUBO Yoji

The disclosed device includes: an air supplying means (12) that supplies air; a gas supplying means (13) that supplies a gas in which the partial pressure of oxygen is lower than the partial pressure of oxygen in air; a gas supply amount adjustment means (15) that adjusts the amount of the gas supplied; a carbon monoxide concentration measurement means (7) and an oxygen concentration measurement means (6) that respectively measure the concentration of carbon monoxide and the concentration of oxygen at the exit of a pulverizer (5). In the pulverizer (5) which is for pulverizing solid fuel and to which the air and the gas are supplied as a mixed gas the gas supply amount adjustment means (15) is controlled by a control means (11) on the basis of the measurement results of the

No. of Pages: 35 No. of Claims: 6

pulverizer (5) can be prevented.

(21) Application No.9522/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: STYRENE ACRYLONITRILE COPOLYMER FOAM WITH MINIMAL YELLOWING

(51) International classification :B01J10/00,C08F212/10,C08J9/00 (71)Name of Applicant : :61/334201 (31) Priority Document No

:WO 2011/143014

(32) Priority Date :13/05/2010

(33) Name of priority country :U.S.A. (86) International Application

:PCT/US2011/035085 No :04/05/2011 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)DOW GLOBAL TECHNOLOGIES LLC

Address of Applicant :2040 Dow Center Midland MI 48674

U.S.A.

(72)Name of Inventor: 1)HOOD Lawerence

2)DESHANO Brian 3)FRANKOWSKI David

(57) Abstract:

Prepare polymeric foam articles having low yellowing using a styrene acrylonitrile copolymer that contains less than 145 weight parts acrylonitrile dimer and less than 8 500 weight parts acrylonitrile trimer per million weight parts acrylonitrile copolymer.

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

(21) Application No.9524/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: COLOR IMAGE PICKUP DEVICE

(51) International classification	:H04N5/369,H04N9/07	(71)Name of Applicant :
(31) Priority Document No	:2011051999	1)FUJIFILM Corporation
(32) Priority Date	:09/03/2011	Address of Applicant :26 30 Nishiazabu 2 chome Minato ku
(33) Name of priority country	:Japan	Tokyo 1068620 Japan
(86) International Application No	:PCT/JP2011/067421	(72)Name of Inventor:
Filing Date	:29/07/2011	1)HAYASHI Kenkichi
(87) International Publication No	:WO 2012/120705	2)TANAKA Seiji
(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 provides a single plate color image pickup device wherein color filters are arranged in a given array on a plurality of pixels comprised of photoelectric conversion elements which are arrayed horizontally and vertically. The color filter array of the color image pickup device includes a given basic array pattern (P) wherein all of R G and B color filters are arrayed in all horizontal and vertical lines and the basic array pattern (P) is repeatedly arranged in horizontal and vertical directions. Specifically the G filters are arranged such that two or more adjoining portions are included in the basic array pattern along each of directions (four directions) including horizontal vertical and diagonal (NE NW) directions. In accordance with the pixel values of the G pixels corresponding to these adjoining G filters the degree of correlation among brightness in the four directions can be determined at the minimum pixel interval.

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

(21) Application No.9542/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: WEAR RESISTANT ROLLER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B02C4/30 :PA 2010 00315 :16/04/2010 :Denmark :PCT/IB2011/051060 :14/03/2011 :WO 2011/128789 :NA :NA	(71)Name of Applicant:  1)FLSMIDTH A/S  Address of Applicant:77 Vigerslev Alle DK 2500 Valby Denmark (72)Name of Inventor:  1)OLSSON David Dam
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A description is given of a method for producing a wear resistant roller for crushing of particulate material such as crude ore for use in the mineral industry by which method the surface region of the roller (1) is provided with a plurality of recesses (2) into each of which a wear resistant component (3) is embedded. The method is characterized in that at least some of the material around each recess (2) is plastically deformed after the wear resistant component (3) is placed in the recess and in that the deformed material changes the shape of the recess (2) and secures the wear resistant component (3) to the roller (1).

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

(21) Application No.9543/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD AND SYSTEM FOR TREATING A SUBTERRANEAN FORMATION

(51) International classification	:E21B43/26,C09K8/62	(71)Name of Applicant :
(31) Priority Document No	:61/333468	1)SCHLUMBERGER CANADA LIMITED
(32) Priority Date	:11/05/2010	Address of Applicant :525 3rd Avenue S.W. Calgary Alberta
(33) Name of priority country	:U.S.A.	T2P 0G4 Canada
(86) International Application No	:PCT/IB2011/052060	2)SERVICES PETROLIERS SCHLUMBERGER
Filing Date	:10/05/2011	3)SCHLUMBERGER HOLDINGS LIMITED
(87) International Publication No	:WO 2011/141875	4)SCHLUMBERGER TECHNOLOGY B.V.
(61) Patent of Addition to Application	:NA	5)PRAD RESEARCH AND DEVELOPMENT LIMITED
Number	:NA	(72)Name of Inventor:
Filing Date	.11/1	1)BONEY Curtis L.
(62) Divisional to Application Number	:NA	2)ZIAUDDIN Murtaza
Filing Date	:NA	3)WAHID M. Fazrie B.A.

#### (57) Abstract:

A method and apparatus to treat a subterranean formation comprising a wellbore including introducing a tool to a wellbore in a region of low permeability or damage treating the region of low permeability or damage with a fluid simultaneously measuring a fluid pressure drop and volume of fluid flow in a particular region and moving the tool to another region. A method and apparatus to treat a subterranean formation comprising a wellbore including introducing to a wellbore a tool in a region of low permeability or damage treating the region of low permeability or damage with a fluid introducing a diversion agent and moving the tool to another region wherein the fluid comprises a tracer.

No. of Pages: 19 No. of Claims: 18

(21) Application No.9544/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: APPARATUS FOR DRAWING OFF AND WINDING UP SYNTHETIC THREADS

(51) International :D01D13/02,B65H54/74,B65H67/048 classification

(31) Priority Document No :10 2010 015 215.3

(32) Priority Date :16/04/2010

(33) Name of priority :Germany

country

(86) International

:PCT/EP2011/050720 Application No :20/01/2011

Filing Date

(87) International

:WO 2011/128121 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)OERLIKON TEXTILE GMBH & CO. KG

Address of Applicant :Leverkuser Strasse 65 42897

Remscheid Germany (72)Name of Inventor: 1)WEIGEND Helmut

2)ADLER Jochen

3)SCH-RMANN Ludger 4)STEINHAUS Frank

#### (57) Abstract:

The invention relates to an apparatus for drawing of and winding up synthetic fibres in a melt spinning process having a plurality of spinning stations. A drawing off device having a plurality of driven godet wheels and a winding device having a plurality of winding stations are provided per spinning station wherein adjacent drawing off devices and adjacent winding devices can be driven independently of one another. In order for it to be possible to perform rapid start up of the drawing off device and the winding device in relation to individual spinning stations according to the invention one electric supply station is provided per spinning station which electric supply station is connected to the drawing off device and the winding device by a plurality of supply lines for energy supply. The drawing off device and the winding device are configured such that they can be exchanged independently of one another within the spinning station.

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

(21) Application No.9545/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: WIRELESS COMMUNICATION DEVICE AND WIRELESS COMMUNICATION METHOD

:H04J99/00,H04B7/04,H04J1/00 (71)Name of Applicant : (51) International classification

:2009-173369 (31) Priority Document No

(32) Priority Date :24/07/2009 (33) Name of priority country :Japan

(86) International Application No:PCT/JP2010/004459 Filing Date :08/07/2010

(87) International Publication No: WO 2011/010433 A1

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

(62) Divisional to Application

:697/CHENP/2012 Number :08/07/2010

Filed on (57) Abstract:

1)PANASONIC CORPORATION

Address of Applicant: 1006, OAZA KADOMA, KADOMA-

SHI, OSAKA 571-8501 Japan (72)Name of Inventor: 1)KISHIGAMI, TAKAAKI

Abias of reception qualities between spatial streams to a plurality of terminal devices is suppressed in a multiuser MIMO transmission. A wireless communication device according to the invention is one for performing a spatial multiplexing transmission to the plurality of terminal devices, that includes an additional data area setting section that allocates, as an additional data area, a part of a resource allocation area to which no data addressed to each terminal device of the plurality of terminal devices is allocated among resource allocation areas for the spatial multiplexing transmission which are allocated to each terminal device of the plurality of terminal devices, an additional data generator that generates additional data corresponding to the additional data area allocated by the additional data area setting section, and a transmitter that transmits the data which is addressed to each of the plurality of terminal devices and the additional data.

No. of Pages: 73 No. of Claims: 17

(19) INDIA

(22) Date of filing of Application :23/12/2008 (43) Publication Date : 11/04/2014

# (54) Title of the invention: METHOD FOR GENERATING THREE DIMENSIONAL VIDEO IN MEDIA NETWORK

(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 State	IO4N IA IA IA IA IA NA	(71)Name of Applicant:  1)Samsung India Software Operations Private Limited. Address of Applicant: Bagmane Lakeview Block B No. 66/1 Bagmane Tech Park C.V. Raman Nagar Byrasandra Bangalore India (72)Name of Inventor: 1)Ashish Kumar 2)Nishant Shekhar 3)Shubham Baidyanath Bhattacharya 4)Kaushik Das 5)Raghavendra Kalose Mathsyendranath 6)Bela Anand 7)Pankaj Kumar Bajpai 8)Gauray Kumar Jain
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#### (57) Abstract:

Disclosed is a method for generating a three dimensional (3D) video in a media network having a Media Server (MS) and a plurality of Slave Recording (SR) device. The method at the MS includes receiving a first information from each of the plurality of SR devices and comparing the first information thereof. Further, the method includes determining first changes required in first settings of at least one of the plurality of SR devices and transmitting the first changes thereto. Furthermore, the method includes receiving a plurality of first slave videos from the plurality of SR devices based on the transmitted first changes. The method further includes generating the 3D video based on the plurality of first slave videos. Moreover, the method includes analyzing at least one of the generated 3D video and the plurality of first slave videos to determine whether the quality of the generated 3D video requires processing.

No. of Pages: 40 No. of Claims: 28

(21) Application No.9142/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :26/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: DEVICE FOR DELIVERY OF RHEUMATOID ARTHRITIS MEDICATION

(51) International classification:A61M37/00,A61M5/1(31) Priority Document No:61/328723(32) Priority Date:28/04/2010(33) Name of priority country:U.S.A.(86) International Application No:PCT/IB2011/051861

Filing Date :27/04/2011 (87) International Publication No :WO 2011/135530

(61) Patent of Addition to Application Number :NA

Filing Date

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

:A61M37/00,A61M5/158 (71)**Name of Applicant :** 

1)KIMBERLY CLARK WORLDWIDE INC. Address of Applicant: 2300 Winchester Road Neenah

Wisconsin 54956 U.S.A. (72)Name of Inventor:

1)ROSS Russell Frederick

(57) Abstract:

Disclosed are devices for delivering a rheumatoid arthritis drug across a dermal barrier. The devices include microneedles for penetrating the stratum corneum and also include structures fabricated on a surface of the microneedles to form a nanotopography. A random or non random pattern of structures may be fabricated such as a complex pattern including structures of differing sizes and/or shapes. The pattern of structures on the surface of the microneedles may include nano sized structures.

No. of Pages: 89 No. of Claims: 20

(21) Application No.9372/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: THERMOPLASTIC RESIN WITH HIGH THERMAL CONDUCTIVITY

(51) International :C08G63/00,C08G63/181,C08G63/68 classification

(31) Priority Document No :2010-096052

(32) Priority Date :19/04/2010

(33) Name of priority :Japan

country (86) International

:PCT/JP2011/002212 Application No

:14/04/2011 Filing Date

(87) International

:WO 2011/132390 A1 Publication No

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

**Application Number** Filing Date

:NA

:NA :NA (71)Name of Applicant:

1)KANEKA CORPORATION

Address of Applicant :2 4 Nakanoshima 3 chome Kita ku

Osaka shi Osaka 5308288 Japan

(72)Name of Inventor:

1)YOSHIHARA Shusuke

2)EZAKI Toshiaki

3)MATSUMOTO Kazuaki

#### (57) Abstract:

Disclosed is a thermoplastic resin which produces a resin item with excellent thermal conductivity wherein changes of number average molecular weight caused by polymerisation when melted and resulting change of thermal conductive ratio are small. The thermoplastic resin has a specific structure and the molecular ends of same are sealed by a monofunctional low molecular weight compound. As a resin item the thermoplastic resin has excellent thermal conductivity and change of thermal conductive ratio when melted is reduced due to the reduced change in number average molecular weight.

No. of Pages: 70 No. of Claims: 10

(21) Application No.9374/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: LIQUID SULFUR WITH IMPROVED VISCOSITY AS A HEAT TRANSFER MEDIUM

(31) Priority Document No :101594 (32) Priority Date :09/04/2 (33) Name of priority country :EPO (86) International Application No :PCT/E Filing Date :30/03/2	/2010 (72)Name of Inventor :  1)MAJOR Felix 2)SEELER Fabian
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# (57) Abstract:

The invention relates to a mixture containing elemental sulfur and an additive that contains anions.

No. of Pages: 13 No. of Claims: 11

(21) Application No.9377/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: CATALYST FOR THE OXIDATION OF SO2 TO SO3

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:B01J23/22 :10159670.8	(71)Name of Applicant : 1)BASF SE
(32) Priority Date	:12/04/2010	Address of Applicant :67056 Ludwigshafen Germany
(33) Name of priority country	:EPO	2)BASF (CHINA) COMPANY LIMITED
(86) International Application No	:PCT/IB2011/051570	(72)Name of Inventor:
Filing Date	:12/04/2011	1)KR,,MER Michael
(87) International Publication No	:WO 2011/128841	2)SCHUBERT Markus
(61) Patent of Addition to Application	:NA	3)LAUTENSACK Thomas
Number	:NA	4)HILL Thomas
Filing Date	.IVA	5)K-RNER Reinhard
(62) Divisional to Application Number	:NA	6)ROSOWSKI Frank
Filing Date	:NA	7)ZHLKE J¼rgen

# (57) Abstract:

A catalyst for the oxidation of SO to SO a process for producing it and its use in a process for the oxidation of SO to SO are provided. The catalyst comprises an active substance comprising vanadium alkali metal compounds and sulfate applied to a support comprising naturally occurring diatomaceous earths wherein the support comprises at least two different naturally occurring uncalcined diatomaceous earths which differ in terms of the structure type of the siliceous algae from which they are derived.

No. of Pages: 18 No. of Claims: 7

(21) Application No.9576/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012 (43) Publication Date : 11/04/2014

# (54) Title of the invention: SEARCH BASED SYSTEM MANAGEMENT

(51) International classification	:G06F17/30,G06F3/048	(71)Name of Applicant:
(31) Priority Document No	:12/786246	1)MICROSOFT CORPORATION
(32) Priority Date	:24/05/2010	Address of Applicant :One Microsoft Way Redmond WA
(33) Name of priority country	:U.S.A.	98052 6399 U.S.A.
(86) International Application No	:PCT/US2011/035789	(72)Name of Inventor:
Filing Date	:09/05/2011	1)SIMA YunRui
(87) International Publication No	:WO 2011/149646	2)DONG Yingtao
(61) Patent of Addition to Application	:NA	3)ZHANG Jichao
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Search based system management may be provided. A management interface comprising a search input element and a result list element may be displayed. A keyword may be received via the search input element and a plurality of matching configuration properties associated with the received keyword may be identified. At least one of the plurality of configuration properties associated with the received keyword may be displayed in the result list element and each of the displayed plurality of configuration properties may comprise a selectable user interface element.

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

(21) Application No.9358/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :02/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: CAPSULAR GRAM POSITIVE BACTERIA BIOCONJUGATE VACCINES

(51) International classification	:A61K39/085	(71)Name of Applicant :
(31) Priority Document No	:61/332170	1)GLYCOVAXYN AG
(32) Priority Date	:06/05/2010	Address of Applicant :Grabenstrasse 3 CH 8952 Schlieren
(33) Name of priority country	:U.S.A.	Switzerland
(86) International Application No	:PCT/EP2011/057111	(72)Name of Inventor:
Filing Date	:04/05/2011	1)WACKER Michael
(87) International Publication No	:WO 2011/138361	2)KOWARIK Michael
(61) Patent of Addition to Application	:NA	3)WETTER Michael
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

An embodiment of the present invention is directed to a novel bioconjugate vaccine. More generally the invention is directed to Gram positive and other bioconjugate vaccines comprising: a protein carrier comprising an inserted nucleic acid consensus sequence; at least one polysaccharide such as a capsular Gram positive polysaccharide linked to the consensus sequence; and optionally an adjuvant or pharmaceutically acceptable carrier. In a further aspect the instant invention is directed to methods of producing Gram positive and other bioconjugate vaccines. In another aspect an N glycosylated protein is provided that comprises one or more polysaccharides such as Gram positive polysaccharides. The present invention is additionally directed to engineered prokaryotic organisms comprising nucleotide sequences encoding a glycosyltransferase of a first prokaryotic organism and a glycosyltransferase of a second prokaryotic organism. The invention further includes plasmids and prokaryotic cells transformed with plasmids encoding polysaccharides and enzymes which produce anglycosylated protein and/or bioconjugate vaccine. Further the invention is directed to methods of inducing an immune response in a mammal comprising administering said bioconjugate vaccines.

No. of Pages: 221 No. of Claims: 38

(12) PATENT APPLICATION PUBLICATION (21) Application No.9359/CHENP/2012 A

(22) Date of filing of Application :02/11/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: INFORMATION PROCESSING TERMINAL AND CONTROL METHOD THEREOF

:G06F3/14,G06F9/48,G09G5/00 (71)Name of Applicant : (51) International classification (31) Priority Document No :2010088552 1)NEC CORPORATION

(32) Priority Date :07/04/2010

(33) Name of priority country :Japan

(86) International Application No: PCT/JP2011/057743 Filing Date :29/03/2011

(87) International Publication No: WO 2011/125635

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

:NA Number

:NA Filing Date

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

1088001 Japan

(72)Name of Inventor: 1)FUJIWAKA Masaya

# (57) Abstract:

(19) INDIA

Provided is an information processing terminal comprising: a plurality of displays that display screens for respective applications; and a control means. The control means determines from the plurality of displays the display on which a new application is to be started up on the basis of the resource consumption level of the information processing terminal.

No. of Pages: 73 No. of Claims: 13

(21) Application No.9581/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012 (43) Publication Date : 11/04/2014

# (54) Title of the invention : MULTIPLE ANTENNA METHOD FOR REDUCING INTER CELL INTERFERENCE IN MULTI USER WIRELESS 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>	:61/334667 :14/05/2010 :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)ASHIKHMIN Alexei 2)MARZETTA Thomas Louis
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# (57) Abstract:

A method is provided to reduce inter cell interference in mobile wireless systems and particularly in TDD wireless systems. In an embodiment a base station receives a pilot signal from at least one of the mobile terminals that it serves at a plurality of base station antennas which include both main antennas and auxiliary antennas. In response each of the base station antennas provides an output that is processed to obtain a set of precoding weights for a transmission from the main antennas. The processing includes nulling at least one interfering signal using the outputs from at least the auxiliary antennas.

No. of Pages: 24 No. of Claims: 7

(21) Application No.9583/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 12/11/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention : A COMPOSITION SUITABLE FOR STRETCH HOOD METHOD OF PRODUCING THE SAME AND ARTICLES MADE THEREFROM

(71)Name of Applicant: (51) International classification :B32B27/32,B65D65/40 1)DOW GLOBAL TECHNOLOGIES LLC (31) Priority Document No :12/781247 Address of Applicant :2040 Dow Center Midland MI 48674 U.S.A. (32) Priority Date :17/05/2010 (33) Name of priority country :U.S.A. (72) Name of Inventor: (86) International Application No :PCT/US2011/036788 1)MANDARE Prashant Filing Date :17/05/2011 2)BUNKER Gregory (87) International Publication No :WO 2011/146468 3)PATEL Rajen M. (61) Patent of Addition to Application 4)JIN Yi :NA Number 5)BENSASON Selim :NA Filing Date 6)DEMIRORS Mehmet 7)HERMEL DAVIDOCK Theresa J. (62) Divisional to Application Number :NA Filing Date :NA 8) HAYNE Sarah M. 9)RUIZ Jose E.

# (57) Abstract:

The instant invention provides a composition suitable for stretch hood method of producing the same and articles made therefrom. The multi layer film according to the present invention has a thickness of at least 3 mils comprising at least one inner layer and two exterior layers wherein the inner layer comprises at least 50 weight percent polyethylene copolymer having a melt index less than 2 grams/10 minutes a density less than or equal to 0.910 g/cm a total heat of fusion less than 120 Joules/gram and a heat of fusion above 115°C of less than 5 Joules/gram the total heat of fusion of the inner layer less than the heat of fusion of either of the two exterior layers and wherein the multi layer film has an elastic recovery of at least 40% when stretched to 100% elongation.

No. of Pages: 54 No. of Claims: 9

(21) Application No.3244/CHE/2008 A

(19) INDIA

(22) Date of filing of Application :23/12/2008

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD AND SYSTEM FOR REMOTE DEBUGGING OF MOBILE PHONES

(51) International classification	·HOAM	(71)Name of Applicant:
(31) Priority Document No	:NA	1)Samsung India Software Operations Private Limited.
(32) Priority Date	:NA	Address of Applicant :Bagmane Lakeview Block 'B' No.
(33) Name of priority country	:NA	66/1 Bagmane Tech Park C.V. Raman Nagar Byrasandra
(86) International Application No	:NA	Bangalore Jammu & Kashmir India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)Masroor Mohammed Ahmed Khan
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A method and system for remote debugging of mobile phones is provided. The method includes scanning for faults in mobile phones and identifying the faults. The method further includes generating error codes corresponding to the faults. Furthermore, the method includes communicating the error codes to a service station. The method also includes receiving patches from the service station corresponding to the faults and correcting the faults based on the patches. The system includes a mobile phone that includes a scanning module for scanning faults in the mobile phone. The mobile phone also includes a testing module for identifying the faults and generating error codes corresponding to the faults. The mobile phone further includes a communication module for communicating the error codes to a service station and a patch application module for applying patches and rectifying the faults. The system also includes a service center server.

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

(21) Application No.4385/CHE/2011 A

(19) INDIA

(22) Date of filing of Application: 14/12/2011

(43) Publication Date: 11/04/2014

# (54) Title of the invention : SYSTEM AND METHOD OF PROVIDING VIRTUAL HUMAN ON HUMAN COMBAT TRAINING OPERATIONS

<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)VIRTUAL LOGIC SYSTEMS PRIVATE LTD Address of Applicant:#571/1,2,3 NEW NO.705, V4 COMPLEX, KRISHNA KAMALA ENCLAVE,
(86) International Application No	:NA	UTTARAHALLI, BANGALORE - 560 062 Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SUDARSHAN R
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention relates to a system for providing training process during weapons training in a virtual environment and particularly, relates to a system for providing human on human combat training for the weapon simulators. The system comprises of one or more combat stations; one or more motion tracking devices for tracking multiple body movements of a trainee; one or more dummy weapons; one or more processing units and one or more display systems. The processing unit is provided with inbuilt software for receiving, storing, processing the data received from the motion tracking device, determining current posture of the trainee and replicating the posture onto the virtual human combatant in virtual environment. Further, the combat stations are networked permitting the virtual human combatant to be mapped to one or more trainees in different combat stations.

No. of Pages: 18 No. of Claims: 12

(21) Application No.9586/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:12/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: VALSARTAN DERIVATIVES CARRYING NITROGEN OXIDE DONORS FOR THE TREATMENT OF VASCULAR AND METABOLIC DISEASES

(51) International :C07D257/04,A61K31/41,A61P3/00 classification

(31) Priority Document No :10160289.4

(32) Priority Date :19/04/2010 (33) Name of priority country: EPO

(86) International Application: PCT/EP2011/056116 No

:18/04/2011 Filing Date

(87) International Publication :WO 2011/131613

(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)CARDIOLYNX AG

Address of Applicant : Hochbergerstrasse 60c CH 4057 Basel

Switzerland

(72)Name of Inventor: 1)SARTOR Dirk 2) SCHERHAG Armin

### (57) Abstract:

Nitrate esters and diazenium diolate derivatives of valsartanamide are described. They have valuable properties in the treatment of vascular and metabolic diseases.

No. of Pages: 29 No. of Claims: 18

(21) Application No.9591/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: REAL TIME LINE WATER IN FUEL EMULSION APPARATUS PROCESS AND SYSTEM

(51) International classification	:F02B47/02	(71)Name of Applicant:
(31) Priority Document No	:12/761685	1)COTTELL Eric William
(32) Priority Date	:16/04/2010	Address of Applicant :Ranora House P.O. Box N 8011 Nassau
(33) Name of priority country	:U.S.A.	Bahamas
(86) International Application No	:PCT/US2011/029306	(72)Name of Inventor:
Filing Date	:22/03/2011	1)COTTELL Eric William
(87) International Publication No	:WO 2011/129953	
(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 water in fuel emulsion system comprises a reactor device a fuel intake connected to said reactor device a water intake connected to said reactor device a pump connected to said reactor device and a circulating emulsion reprocessing inline loop connected to said pump and feeding a load as needed in real time wherein said reactor device comprises a non vibrating anvil shaped to create cavitation sufficient to emulsify water in fuel from said water intake and said fuel intake.

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

(21) Application No.9592/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:12/11/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: COLORATION EXAMINATION DEVICE AND COMPUTER PROGRAM AND DATA PROCESSING METHOD THEREFOR

(51) International classification :G06T7/00,G06T1/00,H04N1/46 (71)Name of Applicant :

(31) Priority Document No :2010115923 (32) Priority Date :20/05/2010

(33) Name of priority country :Japan

(86) International Application No:PCT/JP2011/002038

Filing Date :06/04/2011 (87) International Publication No: WO 2011/145257

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

(62) Divisional to Application :NA Number

:NA Filing Date

1)NEC CORPORATION

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

1088001 Japan

(72)Name of Inventor: 1)TANIKAWA Yukiko

#### (57) Abstract:

A coloration examination device stores a full color document wherein constituting elements having respective colors are arranged on a page. At least colors and sizes of constituting elements are detected for each page of the document. The sizes of the constituting elements for the whole page are summed for the respective colors and output as occupancies. With respect to each color of the constituting elements whether or not at least either luminance or intensity exceeds a predetermined color threshold value is judged. With respect a constituting element having a color which is judged that at least either luminance or intensity exceeds a predetermined color threshold value whether or not the occupancy per color exceeds a predetermined occupancy threshold value is judged. A constituting element having a color with the occupancy which is judged as exceeding the occupancy threshold value is output.

No. of Pages: 68 No. of Claims: 6

(21) Application No.4354/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :18/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : APPARATUS FOR AVOIDING DEPOSITS ON OPTICAL COMPONENTS IN THE LASER SINTERING PROCESS

# (57) Abstract:

The present invention relates to an apparatus for the layer-by-layer production of three-dimensional objects, to processes for layer-by-layer production, and also to corresponding mouldings.

No. of Pages: 27 No. of Claims: 16

(21) Application No.7735/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :07/09/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : USE OF A COPOLYMER AS A THICKENER IN LIQUID DETERGENTS HAVING LOWER GRAYING TENDENCY

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>(22) Picinical Application Number</li> </ul>	:C11D3/37 :10153535.9 :12/02/2010 :EPO :PCT/EP2011/052051 :11/02/2011 :WO 2011/098571 A1 :NA :NA	(71)Name of Applicant:  1)BASF SE Address of Applicant:67056 Ludwigshafen Germany (72)Name of Inventor:  1)ARISANDY Christofer 2)SCHMIDT Kati 3)LEYRER Reinhold
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

# (57) Abstract:

The invention relates to copolymers which contain a) at least 15% by weight units of an ethylenically unsaturated carboxylic acid, b) at least 15% by weight units of a C4-C8-alkylacrylats, c) less than 5% by weight units of methyl methacrylate, and are used as thickeners in liquid textile detergents. The copolymers can additionally contain units of a non-ionic ethylenically unsaturated surfactant monomer that are incorporated by polymerization. The thickeners are characterized by high thickening action, high shear thinning and low graying of the laundry after the washing process.

No. of Pages: 36 No. of Claims: 11

(21) Application No.9620/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:14/11/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: COMBINATION THERAPY AND METHOD FOR ASSESSING RESISTANCE TO TREATMENT

(51) International classification (31) Priority Document No :61/346247 (32) Priority Date :19/05/2010

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

(86) International Application No :PCT/EP2011/057909

Filing Date :17/05/2011 (87) International Publication No :WO 2011/144583

(61) Patent of Addition to Application

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

:G01N33/574,A61K38/00 (71)Name of Applicant :

1)F. HOFFMANN LA ROCHE AG

Address of Applicant: Grenzacherstrasse 124 CH 4070 Basel

Switzerland

(72)Name of Inventor:

1)BOYLAN John Frederick

2)HE Wei

# (57) Abstract:

The present invention relates to a method for determining a subject s resistance to treatment with 2 2 dimethyl N ((S) 6 oxo 6 7 dihydro 5H dibenzo[b d]azepin 7 yl) N (2 2 3 3 3 pentafluoro propyl) malonamide by measuring the levels a biomarker or biomarkers present in a biological sample obtained from the subject the biomarker being IL6 and/or IL8. The present invention also relates to a combination therapy for a patient suffering from a proliferative disorder comprising administering to the patient 2 2 Dimethyl N ((S) 6 oxo 6 7 dihydro 5H dibenzo[b d]azepin 7 yl) N (2 2 3 3 3 pentafluoro propyl) malonamide and an anti IL6 and/or an anti IL8 agent.

No. of Pages: 40 No. of Claims: 28

(21) Application No.9621/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:14/11/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: COMMUNICATIONS TERMINAL CONNECTION DESTINATION DISPLAY METHOD AND COMPUTER PROGRAM

(51) International :H04W88/02,H04M1/00,H04W48/10 classification

(31) Priority Document No :2010-101407 (32) Priority Date :26/04/2010

(33) Name of priority :Japan country

(86) International

:PCT/JP2011/059942 Application No :22/04/2011

Filing Date

(87) International

:WO 2011/136145 A1 **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)TAKAKI Tetsuya

#### (57) Abstract:

Disclosed is a communications terminal wherein a wireless unit receives from each PLMN information including a name that specifies the PLMN and communications speed information that shows the communications speed for that PLMN. A generation unit generates a list of names included in each notification information received by the wireless unit in order of communications speed shown in the communications speed information associated with the relevant name. The display unit displays the list generated by the generation unit.

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

(21) Application No.9622/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 14/11/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: COMPOSITE MATERIAL FOR STRUCTURAL APPLICATIONS

:WO 2011/133353

(51) International classification: B32B27/38,C08L63/00,C08J5/24 (71)Name of Applicant:

(31) Priority Document No :12/764636 :21/04/2010 (32) Priority Date

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

(86) International Application :PCT/US2011/032008

No

:12/04/2011 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)HEXCEL CORPORATION

Address of Applicant: 11711 Dublin Boulevard Dublin CA

94568 U.S.A.

2)HEXCEL COMPOSITES LTD

(72)Name of Inventor: 1)BOYLE Maureen 2)BLAIR Dana 3)WU Ye Jui 4)WANG Yen Seine

5)FLORYANCIC Bryce 6)MACKENZIE Paul

# (57) Abstract:

Composite material that contain epoxy resin which is toughened and strengthened with thermoplastic materials and a blend insoluble particles. The uncured matrix resins include an epoxy resin component a soluble thermoplastic component a curing agent and an insoluble particulate component composed of elastic particles and rigid particles. The uncured resin matrix is combined with a fibrous reinforcement and cured molded to form composite materials that may be used for structural applications such as primary structures in aircraft.

No. of Pages: 28 No. of Claims: 20

(21) Application No.9623/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 14/11/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: MOUNTING MECHANISM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <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</li> <li>Filing Date</li> </ul>	:H05H7/22,F16B5/00,F16B31/04 :NA :NA :NA :PCT/EP2010/003031 :18/05/2010 :WO 2011/144222 A1 :NA :NA	(71)Name of Applicant:  1)CERN EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH Address of Applicant: CH 1211 Geneva 23 Switzerland (72)Name of Inventor: 1)RAMBERGER Suitbert 2)BOURQUIN Pierre 3)CUVET Yves 4)VRETENAR Maurizio
Application Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

Disclosed herein is a mounting mechanism such as a drift tube mounting mechanism for mounting a drift tube provided in a drift tube accelerator vessel 10 via an elongate holding element 14. The mounting mechanism comprises a biasing mechanism comprising one or more disc spring members 46 for axially biasing the elongate holding element 14 with respect to the vessel towards a mounting position. The mounting mechanism further comprises a screw 58 having a head portion 60 and a shaft portion said shaft portion comprising a threaded portion 64 for screwing into the elongate holding element 14. The mounting mechanism further comprises a bushing 66 comprising a sleeve portion 68 receiving at least a part of the screw shaft and separating the one or more disc spring members 46 from said screw shaft portion. The screw head portion 60 is configured to receive the axial biasing force generated by the one or more disc spring members 46.

No. of Pages: 30 No. of Claims: 13

(21) Application No.4188/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: AUTOMOBILE FOR LOWER LIMB DISABLED PERSON

(51) International classification	·R60K	(71)Name of Applicant:
(31) Priority Document No	:NA	1)M.S. RAMAIAH SCHOOL OF ADVANCED STUDIES
(32) Priority Date	:NA	Address of Applicant :#470-P, PEENYA INDUSTRIAL
(33) Name of priority country	:NA	AREA, PEENYA 4TH PHASE, BENGALURU 560 058
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)M. RAKESH
(61) Patent of Addition to Application Number	:NA	2)A.T. SRIRAM
Filing Date	:NA	3)ANANTHESHA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		I

### (57) Abstract:

According to one aspect of the present invention, a car is provided in which lower limb disabled persons can easily ingress/egress from the car. Ergonomics consideration has been taken while designing the car. The driver seat is modified to the motorized wheel chair, whenever passenger wants to egress they may unlock the driver seat and while ingress they may come through the driver seat combined with motorized wheel chair. According to another aspect of the present invention, steering wheel is provided as a detachable one. An occupant may detach and place the steering wheel during egress and ingress respectively. In the present invention, only steering wheel and driver seat are modified and rest of the interiors kept unchanged.

No. of Pages: 23 No. of Claims: 3

(21) Application No.4189/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: ADJUSTABLE USER FRIENDLY VEHICLE

		(71)Name of Applicant:
		1)M.S. RAMAIAH SCHOOL OF ADVANCED STUDIES
(51) International classification	:B60Q1/00	Address of Applicant :#470-P, PEENYA INDUSTRIAL
(31) Priority Document No	:NA	AREA, PEENYA 4TH PHASE, BENGALURU 560 058
(32) Priority Date	:NA	Karnataka India
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:NA	1)RAMAKRISHNA NIMMAGADDA
Filing Date	:NA	2)C.K. RAMESH
(87) International Publication No	: NA	3)H.P. BHARAT RAJ
(61) Patent of Addition to Application Number	:NA	4)Z. TRACY AUSTINA
Filing Date	:NA	5)VISWANATH K. REDDY
(62) Divisional to Application Number	:NA	6)S. SRIKARI
Filing Date	:NA	7)M.L.J SUMAN
-		8)C.S. DIVYA DARSHAN
		9)S. SUBBARAMU

#### (57) Abstract:

According to one aspect of the present invention, the proposed vehicle implements an adjustability feature for the convenience of user. Adjustable length car is implemented to meet the differing usage demands. This adjustability feature helps the user to modify the car into a 2-seater or 4-seater car which helps reduce the traffic and parking and other issue. The mechanism involved a hydraulic attachment that push and pull the rear cabin. According to another aspect of the present invention, the proposed system incorporates a pedestrian friendly hood panel to ensure the safety of pedestrians. The hood panel is designed based on the Head Injury Criterion. Here the pedestrian head protection was done by reducing inner panel gage thereby reducing the stiffness of hood. According to another aspect of the present invention, an adaptive Front Lighting System is also integrated which provides the driver with the best possible visibility by varying the headlight distribution over time without dazzling oncoming vehicles. An Adaptive Front Lighting System consists of electromechanically controlled headlights to ensure optimum illumination of the road in curves. The headlight is directed into the curve as soon as the vehicle takes a turn.

No. of Pages: 30 No. of Claims: 8

(21) Application No.8836/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:16/10/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: STAMPING MECHANISM FOR BEACON MESSAGE TRANSMISSION

(51) International :H04W16/14,H04W72/04,H04W84/10

classification

(31) Priority Document No :10157561.1 (32) Priority Date

:24/03/2010

(33) Name of priority

:France

country

(86) International Application No

:PCT/JP2011/057500

Filing Date

:18/03/2011

:NA

:NA

(87) International

:WO 2011/118825 Publication No

(61) Patent of Addition to

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

(62) Divisional to **Application Number** 

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)ZAPPULLA Fabrice

### (57) Abstract:

The invention concerns a method for transmitting beacon services to a User Equipment (UE) roaming in an area covered by several Radio Access Technologies (RAT s) the area comprising a plurality of geographical zones each geographical zone comprising at least one network base station using several frequencies and at least one RAT among the plurality of RAT s the User Equipment (UE) having various RAT capabilities and preferences and supporting several frequencies the method comprising the step of periodically transmitting to the UE at least a beacon message M comprising information about the RAT s and the frequencies deployed in each zone of the area and data indicating at least a validity period of the RAT s and the frequencies information.

No. of Pages: 30 No. of Claims: 17

(21) Application No.9641/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 15/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD FOR PREVENTING IGNITION IN MILL AND DEVICE FOR PREVENTING IGNITION IN MILL

(51) International classification: F23K3/02,B02C23/04,B02C25/00 (71) Name of Applicant:

(31) Priority Document No :2010114451 (32) Priority Date :18/05/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/060827

No :11/05/2011 Filing Date

(87) International Publication :WO 2011/145493

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

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

1)KABUSHIKI KAISHA KOBE SEIKO SHO(KOBE

STEEL, LTD.)

Address of Applicant: 10 26 Wakinohama cho 2 chome Chuo

ku Kobe shi Hyogo 6518585 Japan

(72)Name of Inventor: 1)AKIYAMA Katsuya 2)PAK Haeyang 3)TAKUBO Yoji

#### (57) Abstract:

A mill (5) for milling a solid fuel which comprises: feed rate adjusting means (3a 3b) for adjusting the feed rate of the solid fuel; a concentration measuring means (7) for measuring the carbon monoxide and/or carbon dioxide concentration(s) at the outlet of the mill (5); and a memory means (11) for storing as an analytical value the ratio of the oxygen content and/or hydrogen content of the solid fuel to the carbon content thereof wherein the feed rate adjusting means (3a 3b) are controlled by a controlling means (11) based on the result of the measurement by the concentration measuring means (7) and the analytical value so as to vary the ratio of the oxygen content and/or hydrogen content of the solid fuel fed to the mill (5) to the carbon content thereof said ratio being in the same type as the analytical value. According to the aforesaid structure ignition in the mill (5) can be prevented.

No. of Pages: 37 No. of Claims: 4

(21) Application No.9642/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:15/11/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: HYDROPHOBIC INTERACTION CHROMATOGRAPHY METHOD

:G01N30/02,C07K14/435 (71)Name of Applicant : (51) International classification

(31) Priority Document No :10163273.5 (32) Priority Date :19/05/2010

:EPO (33) Name of priority country

(86) International Application No :PCT/EP2011/057960 Filing Date :17/05/2011

(87) International Publication No :WO 2011/144606

(61) Patent of Addition to Application :NA Number

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

1)F. HOFFMANN LA ROCHE AG

Address of Applicant: Grenzacher Strasse 124 CH 4070 Basel

Switzerland

(72)Name of Inventor:

1)FALKENSTEIN Roberto

2) FUEHRLER Nicole

3)SMIDA Maria

# (57) Abstract:

Herein is reported a method for purifying a polypeptide comprising a histidine tag comprising the steps of i) applying a solution comprising the polypeptide with a histidine tag to a hydrophobic interaction chromatography material and ii) recovering the polypeptide comprising a histidine tag with a solution comprising imidazole or an imidazole derivative and thereby purifying the polypeptide comprising a histidine tag wherein the solution comprising the polypeptide applied to the hydrophobic interaction chromatography material is free of imidazole or an imidazole derivative and the polypeptide adsorbed to the hydrophobic interaction chromatography material is recovered with a solution comprising imidazole or an imidazole derivative.

No. of Pages: 36 No. of Claims: 7

(21) Application No.9644/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:15/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: A CRYSTALLINE FORM OF (R) 7 CHLORO N (QUINUCLIDIN 3 YL)BENZO[B]THIOPHENE 2 CARBOXAMIDE HYDROCHLORIDE MONOHYDRATE

(51) International :C07D453/02,A61K31/439,A61P25/00 classification

(31) Priority Document No :61/345363

(32) Priority Date :17/05/2010

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

(86) International

:PCT/US2011/036844 Application No

:17/05/2011 Filing Date

(87) International

:WO 2011/146511 **Publication No** 

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

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

Filing Date

(71)Name of Applicant:

1) ENVIVO PHARMACEUTICALS INC.

Address of Applicant :480 Arsenal Street Bldg. 1 Watertown

Massachusetts 02472 U.S.A.

2)MITSUBISHI TANABE PHARMA CORPORATION

(72)Name of Inventor:

1)OLIVER SHAFFER Patricia

2)SHAPIRO Gideon

3)CHESWORTH Richard

4)KISHIDA Muneki

5) ISHIGE Takayuki

#### (57) Abstract:

Crystalline Forms I and II of (R) 7 chloro N (quinuclidin 3 yl)benzo[b]thiophene 2 carboxamide hydrochloride monohydrate and compositions methods of manufacture and therapeutic uses thereof are described.

No. of Pages: 53 No. of Claims: 72

(21) Application No.9645/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:15/11/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: POLYMERIZABLE IONIC LIQUID COMPRISING AROMATIC CARBOXYLATE ANION

(51) International :C08F220/30,C08F220/34,C07D233/58 classification

:WO 2011/146356

(31) Priority Document :61/345624

No

(32) Priority Date :18/05/2010

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

(86) International

:PCT/US2011/036586 Application No

:16/05/2011 Filing Date

(87) International

**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)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)LEWANDOWSKI Kevin M.

2)WANG Yizhong 3)KREPSKI Larry R. 4)OXMAN Joel D.

5)ZHU Peiwang

# (57) Abstract:

Presently described are polymerizable ionic liquids comprising a cation and an aromatic carboxylate anion; wherein the cation anion or both comprise a free radically polymerizable group. Also described are curable compositions comprising such polymerizable ionic liquids and at least one other free radically polymerizable monomer oligomer or polymer.

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

(21) Application No.9647/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:15/11/2012 (43) Publication Date: 11/04/2014

:WO 2011/133503 A2

# (54) Title of the invention: GASOLINE ENGINE EMISSIONS TREATMENT SYSTEMS HAVING GASOLINE PARTICULATE **FILTERS**

(51) International classification :F01N3/20,B01D53/94,F01N3/10 (71)Name of Applicant: (31) Priority Document No :61/325,478 (32) Priority Date :19/04/2010 (33) Name of priority country :U.S.A. (86) International Application :PCT/US2011/032978

No :19/04/2011 Filing Date

(87) International Publication

(61) Patent of Addition to

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

(62) Divisional to Application  $\cdot NA$ Number :NA Filing Date

1)BASF CORPORATION

Address of Applicant: 100 Campus Drive Florham Park NJ

07932 U.S.A. 2)BASF SE

(72)Name of Inventor: 1)ARNOLD Mirko 2)SIEMUND Stephan 3)SIANI Attilio

4)WASSERMANN Knut

#### (57) Abstract:

Provided are exhaust systems and components suitable for use in conjunction with gasoline engines to capture particulates in addition to reducing gaseous emission such as hydrocarbons nitrogen oxides and carbon monoxides. Exhaust treatment systems comprising a three way conversion (TWC) catalyst located on a particulate filters are provided. Coated particle filters having washcoat loadings in the range of 1 to 4 g/ft result in minimal impact on back pressure while simultaneously providing TWC catalytic activity and particle trapping functionality to meet increasingly stringent regulations such as Euro 6 Sufficient to high levels of oxygen storage components (OSC) are also delivered on and/or within the filter. The filters can have a coated porosity that is substantially the same as its uncoated porosity. The TWC catalytic material can comprise a particle size distribution such that a first set of particles has a first d90 particle size of 7.5 μ or less and a second set of particles has a second d particle size of more than 7.5 μ. Methods of making and using the same are also provided.

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

(21) Application No.9649/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 15/11/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: RESISTANCE TO POST HARVEST DETERIORATION IN CUCUMBER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A01H5/08 :2004748 :19/05/2010 :Netherlands :PCT/EP2011/058077 :18/05/2011 :WO 2011/144672 :NA :NA	(71)Name of Applicant:  1)RIJK ZWAAN ZAADTEELT EN ZAADHANDEL B.V Address of Applicant:Burgemeester Crezeelaan 40 NL 2678  KX De Lier Netherlands (72)Name of Inventor: 1)DIRKS Robert Helene Ghislain 2)VAN DUN Cornelis Maria Petrus 3)VELTEROP Joyce Sylvia 4)KLOET Johannes Willem
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# (57) Abstract:

The invention relates to a cucumber () plant which has the same genetic trait that causes an improved shelf life as found in plants and fruits grown from seeds of cucumber EX5003 representative seeds of which were deposited under NCIMB accession number 41716. The fruits of the cucumber plant have an improved shelf life as compared to the fruits of a control plant that have a normal shelf life and the plant producing these fruits is obtainable by crossing a cucumber plant with a plant grown from seeds of cucumber EX5003 representative seeds of which were deposited with the NCIMB under NCIMB accession number 41716 and selecting in the F1 progeny of the cross for plants showing an improved shelf life. The invention further relates to progeny and seeds of the plant to the fruits and to propagation material.

No. of Pages: 31 No. of Claims: 11

(21) Application No.4401/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: FILM FORMATION APPARATUS AND FILM FORMATION METHOD

(#1) T	G22G14/00	
(51) International classification	:C23C14/00	(71)Name of Applicant :
(31) Priority Document No	:2011- 237311	1)KABUSHIKI KAISHA KOBE SEIKO SHO (KOBE STEEL, LTD.)
(32) Priority Date	:28/10/2011	Address of Applicant :10-26, WAKINOHAMA-CHO, 2-
(33) Name of priority country	:Japan	CHOME, CHUO-KU, KOBE-SHI, HYOGO 651-8585 Japan
(86) International Application No	:NA	(72)Name of Inventor :
Filing Date	:NA	1)HIROTA, SATOSHI
(87) International Publication No	: NA	2)YAMAMOTO, KENJI
(61) Patent of Addition to Application Number	:NA	3)TAMAGAKI, HIROSHI
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A film formation apparatus of the present invention has two sputtering evaporation sources each of which includes an unbalanced magnetic field formation means formed by an inner pole magnet arranged on the inner side and an outer pole magnet arranged on the outer side of this inner pole magnet, the outer pole magnet having larger magnetic line density than the inner pole magnet, and a target arranged on a front surface of the unbalanced magnetic field formation means, and further has an AC power source for applying alternating current whose polarity is switched with a frequency of 10 kHz or more between the targets of the two sputtering evaporation sources so as to generate discharge between both the targets and perform film formation.

No. of Pages: 28 No. of Claims: 8

(21) Application No.9507/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: PROCESS FOR PREPARING SUBSTITUTED 1 3 DIHYDRO 2H INDOL 2 ONES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:06/05/2011 :WO 2011/141364 A1 :NA	(71)Name of Applicant:  1)BAYER INTELLECTUAL PROPERTY GMBH Address of Applicant: Alfred Nobel Strasse 10 40789 Monheim Germany (72)Name of Inventor: 1)SIEGEL Konrad 2)KARIG Gunter
(61) Patent of Addition to Application		

#### (57) Abstract:

Process for preparing 1 3 dihydro 2H indol 2 ones starting from thioalkyl and/or thiocycloalkyl substituted indol 2 one compounds by a) dissolving or suspending the thioalkyl and thiocycloalkyl substituted indol 2 one compounds in a polar solvent b) adding a sulphur containing salt to the solution or suspension and c) heating the reaction mixture under reflux at a temperature which corresponds at most to the boiling temperature of the solvent. The 1 3 dihydro 2 indol 2 ones prepared in accordance with the invention are used as intermediates in the synthesis of fine chemicals and active ingredients from the pharmaceutical industry and/or from agriculture.

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

(21) Application No.9686/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 16/11/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: PYRROLOPYRAZINE DERIVATIVES AS SYK AND JAK INHIBITORS

(51) International :C07D487/04,A61K31/4965,A61K31/497

classification

(31) Priority Document :61/346502

No

(32) Priority Date :20/05/2010

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

(86) International :PCT/EP2011/057910

Application No

:17/05/2011 Filing Date

(87) International

:WO 2011/144584 **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)HENDRICKS Robert Than 2)HERMANN Johannes Cornelius

3)KONDRU Rama K.

4)LOU Yan

5)LYNCH Stephen M.

6)OWENS Timothy D.

7)SOTH Michael

8)YEE Calvin Wesley

# (57) Abstract:

The present invention relates to the use of novel pyrrolopyrazine derivatives of Formula (I) wherein the variables Q and R and R are defined as described herein which inhibit JAK and SYK and are useful for the treatment of auto immune and inflammatory diseases.

No. of Pages: 99 No. of Claims: 27

(21) Application No.9688/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:16/11/2012 (43) Publication Date: 11/04/2014

(54) Title of the invention: A MULTILAYER SHEET A THERMOFORMED ARTICLE AND A METHOD FOR MAKING THE SAME

(51) International

:B32B27/08,B32B27/18,B32B27/32

classification

(31) Priority Document No :61/345635 (32) Priority Date :18/05/2010

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

(86) International Application :PCT/US2011/036463

No

Filing Date

:13/05/2011

(87) International Publication :WO 2011/146338

(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)DOW GLOBAL TECHNOLOGIES LLC

Address of Applicant :2040 Dow Center Midland MI 48674

U.S.A.

(72) Name of Inventor:

1)BONAVOGLIA Barbara

2)BRUNNER Kurt

3)SANDKUEHLER Peter

(57) Abstract:

The instant invention provides a multilayer sheet a thermoformed article and a method for making the same. The multilayer sheet comprises (a) at least one sealant layer comprising: less than 1 percent by weight of one or more antimicrobial agents based on the total weight of the sealant layer; at least 20 percent by weight of a base polymer based on the total weight of the sealant layer wherein said base polymer comprises a propylene/ethylene copolymer composition wherein said propylene/ethylene copolymer has a crystallinity in the range of from 1 percent by weight to 30 percent by weight a heat of fusion in the range of from 2 Joules/gram to 50 Joules/gram) and a DSC melting point in the range of 25° C to 110° C; and less than 80 percent by weight of a secondary polymer selected from the group consisting of polypropylene homopolymer polypropylene random copolymer impact modified polypropylene combinations thereof and blends thereof; and (b) at least one core layer in contact with said at least one sealant layer wherein said core layer comprises a core polymer

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

(21) Application No.9689/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 16/11/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: CURABLE COMPOSITIONS

(51) International  $:\!C08G59/24,\!C08G59/68,\!C08G59/02$ 

classification

(31) Priority Document No :61/347074 (32) Priority Date :21/05/2010 (33) Name of priority country:U.S.A.

(86) International :PCT/US2011/036945

Application No :18/05/2011 Filing Date

(87) International Publication :WO 2011/146580

(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)MARKS Maurice J.

2) SNELGROVE Roy V.

#### (57) Abstract:

A curable divinylarene dioxide resin composition having a stoichiometric excess of divinylarene dioxides cured with amines anhydrides or polyphenols. The curable divinylarene dioxide resin composition includes (a) a stoichiometric excess of at least one divinylarene dioxide (b) a co reactive curing agent and a catalyst. A process for making the above curable divinylarene dioxide resin composition; and a cured divinylarene dioxide resin composition made therefrom are also disclosed. The curable divinylarene dioxide resin composition has a longer pot life prior to cure and produces a thermoset having a higher heat resistance after cure than analogous prior art compositions made using stoichiometric compositions. The curable compositions of the present invention are advantageously useful as thermoset materials coatings composites and adhesives.

No. of Pages: 21 No. of Claims: 14

(21) Application No.2665/CHE/2007 A

(19) INDIA

(22) Date of filing of Application: 16/11/2007 (43) Publication Date: 11/04/2014

# (54) Title of the invention : INTELLECTUAL LAMP UNIT ABLE TO BE INSTALLED ON A CONVENTIONAL LAMP SOCKET CONTROLLED BY A WALL SWITCH

(51) International classification	:H05B	(71)Name of Applicant:
(31) Priority Document No	:NA	1)CERAMATE TECHNICAL CO. LTD
(32) Priority Date	:NA	Address of Applicant: 1F NO.66-5, SEC.2 NAN-KAN RD.
(33) Name of priority country	:NA	LUCH TOOYUAN COUNTY Taiwan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)WANG, ROBERT
(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 intellectual lamp unit able to be installed on a conventional lamp socket controlled by a wall switch includes a bypass connected in parallel with a wall switch and provided with a resistance or a diode for producing potential difference or power phase difference when the wall switch is turned off. An intellectual lamp to be installed on a conventional lamp socket consists of a lamp main body disposed therein with a power processing circuit, a detecting switch, a charging circuit, a charging battery, a driving circuit, a microprocessor and a lamplight source. When the wall switch is turned on or off under the condition of normal power supply, the lamplight source can be controlled to produce or extinguish lighting, and during blackout, the lamplight source can be started to produce emergency lighting immediately, supplied with power by the charging battery.

No. of Pages: 22 No. of Claims: 10

(21) Application No.4173/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: PROCESS FOR THE PREPARATION OF COBICISTAT INTERMEDIATES

		(71)Name of Applicant :
(51) International classification	:C07D277/00	1)MYLAN LABORATORIES LTD
(31) Priority Document No	:NA	Address of Applicant :PLOT NO 564/A/22, ROAD NO 92,
(32) Priority Date	:NA	JUBILEE HILLS, HYDERABAD - 500 033 Andhra Pradesh
(33) Name of priority country	:NA	India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RAMA, SHANKAR
(87) International Publication No	: NA	2)VADALI, LAKSHMANA RAO
(61) Patent of Addition to Application Number	:NA	3)KONDA, RAMESH BABU
Filing Date	:NA	4)JALDU, RAVIKANTH
(62) Divisional to Application Number	:NA	5)VEMAVARAPU, GOVARDHANA PHANI SHARMA
Filing Date	:NA	6)PALLA, VIJAY KUMAR
		7)YERVA, ESWARA REDDY

# (57) Abstract:

The present invention relates to cobicistat intermediates, processes and further conversion to cobicistat with improved yield and quality.

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

(21) Application No.4174/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: IMPROVED PROCESS FOR THE PREPARATION OF MITIGLINIDE CALCIUM

(51) International classification	:C07D	(71)Name of Applicant :
(31) Priority Document No	:NA	1)MYLAN LABORATORIES LTD
(32) Priority Date	:NA	Address of Applicant :PLOT NO 564/A/22, ROAD NO 92,
(33) Name of priority country	:NA	JUBILEE HILLS, HYDERABAD - 500 033 Andhra Pradesh
(86) International Application No	:NA	India
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)KARUSALA, NAGESWARA RAO
(61) Patent of Addition to Application Number	:NA	2)TUMMALAPALLI, UMA SANKARA SASTRY
Filing Date	:NA	3)TALATALA, APPI REDDY
(62) Divisional to Application Number	:NA	4)PAREDDI, GANDHI
Filing Date	:NA	

<sup>(57)</sup> Abstract:

The present disclosure relates to an improved process for the preparation of Mitiglinide with recovery of S-benzyl succinic acid, cisoctahydroisoindole from regioisomer.

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

(21) Application No.8890/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :17/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: INDUCTION 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 Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H02K35/02 :102010003151.8 :23/03/2010 :Germany :PCT/EP2011/052327 :17/02/2011 :WO 2011/117031 A1 :NA :NA	(71)Name of Applicant:  1)ZF FRIEDRICHSHAFEN AG Address of Applicant:88038 Friedrichshafen Germany (72)Name of Inventor:  1)RUFF Eduard
(62) Divisional to Application Number Filing Date	:NA :NA	
/==:		

#### (57) Abstract:

An induction generator (1) for a radio switch (2) having a magnet element (2) as well as an induction coil (4) with a coil core (5), characterized in that the coil core (5) is U-shaped, wherein a first contact position (Y1) and a second contact position (Y2) for the magnet element (2) are defined on the limbs (6, 7) of the coil core (5), with a flux direction reversal taking place in each case in the coil core (5) when a change takes place between said positions, wherein the magnet element (2) is arranged such that it can move in a defined manner linearly between the contact positions (Y1, Y2) on the induction generator (1) in a direction (Y) in which the limbs (6,7) are adjacent to one another.

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

(21) Application No.9675/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : HINGED INTRAOCULAR LENS (IOL) AND PENDULUM INTRAOCULAR LENS (IOL) WITH MULTI OPTICS 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>	:1608/CHE/2010 :10/06/2010 :India	(71)Name of Applicant:  1)MIRLAY Ram Srikanth   Address of Applicant: 220 A Bellary Road Sadashiv Nagar Bangalore 560 080 Karnataka India (72)Name of Inventor:  1)MIRLAY Ram Srikanth
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#### (57) Abstract:

A hinged intraocular lens (IOL) with a multi optics assembly is provided. The multi optics assembly includes a scaffold structure several dynamic elastic spring junctions and a lens optics. The scaffold structure includes a ring platform (101) several anterior and posterior ribs (102a 102b) and a protective umbrella (201). The lens optics includes an anterior lens (206a) and a posterior lens (206b), he anterior and the posterior ribs are hinged to the ring platform to support the anterior lens and the posterior lens respectively. The dynamic elastic spring junctions are provided between the anterior and posterior ribs. A pendulum IOL including an anterior lens with a weight at the lower end is also provided.

No. of Pages: 37 No. of Claims: 17

(21) Application No.9680/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/11/2012 (43) Publication Date : 11/04/2014

# (54) Title of the invention: NEAR EYE TOOL FOR REFRACTIVE ASSESSMENT

(51) International classification	:A61B3/032	(71)Name of Applicant:
(31) Priority Document No	:61/327083	1)MASSACHUSETTS INSTITUTE OF TECHNOLOGY
(32) Priority Date	:22/04/2010	Address of Applicant :77 Massachusetts Ave. Cambridge MA
(33) Name of priority country	:U.S.A.	02139 U.S.A.
(86) International Application No	:PCT/US2011/033681	(72)Name of Inventor:
Filing Date	:22/04/2011	1)PAMPLONA Vitor
(87) International Publication No	:WO 2011/133945	2)DE OLIVEIRA NETO Manuel Menezes
(61) Patent of Addition to Application	:NA	3)MOHAN Ankit
Number	:NA	4)RASKAR Ramesh
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

In exemplary implementations this invention is a tool for subjective assessment of the visual acuity of a human eye. A microlens or pinhole array is placed over a high resolution display. The eye is brought very near to the device. Patterns are displayed on the screen under some of the lenslets or pinholes. Using interactive software a user causes the patterns that the eye sees to appear to be aligned. The software allows the user to move the apparent position of the patterns. This apparent motion is achieved by pre warping the position and angle of the ray bundles exiting the lenslet display. As the user aligns the apparent position of the patterns the amount of pre warping varies. The amount of pre warping required in order for the user to see what appears to be a single aligned pattern indicates the lens aberration of the eye.

No. of Pages: 47 No. of Claims: 40

(21) Application No.9700/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 16/11/2012 (43) Publication Date: 11/04/2014

#### (54) Title of the invention: BIOSYNTHETIC PROLINE/ALANINE RANDOM COIL POLYPEPTIDES AND THEIR USES

:A61K38/00,C07K7/00 (71)Name of Applicant : (51) International classification (31) Priority Document No :10163564.7 1)XL PROTEIN GMBH (32) Priority Date :21/05/2010 Address of Applicant :Lise Meitner Str. 30 85354 Freising (33) Name of priority country :EPO Germany (86) International Application No :PCT/EP2011/058307 2) TECHNISCHE UNIVERSIT, T MNCHEN Filing Date :20/05/2011 (72)Name of Inventor: (87) International Publication No :WO 2011/144756 1)SKERRA Arne (61) Patent of Addition to Application 2)BINDER Uli :NA Number 3)SCHLAPSCHY Martin :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

The present invention relates to a biosynthetic random coil polypeptide or a biosynthetic random coil polypeptide segment or biosynthetic conjugate wherein said biosynthetic random coil polypeptide said biosynthetic random coil polypeptide segment or said biosynthetic conjugate comprises an amino acid sequence consisting solely of proline and alanine amino acid residues wherein said amino acid sequence consists of at least about 50 proline (Pro) and alanine (Ala) amino acid residues. Said at least about 50 proline (Pro) and alanine (Ala) amino acid residues may be (a) constituent(s) of a heterologous polypeptide or an heterologous polypeptide construct. Also uses and methods of use of these biosynthetic random coil polypeptides or polypeptide segments or said conjugates are described. The uses may inter alia comprise medical uses diagnostic uses or uses in the food industry as well as other industrial applications like in the paper industry in oil recovery etc. In particular a drug conjugate is provided that comprises (i) a biosynthetic random coil polypeptide or polypeptide segment comprising an amino acid sequence consisting solely of proline and alanine amino acid residues wherein said amino acid sequence consists of at least 50 proline (Pro) and alanine (Ala) amino acid residues and (ii) a drug selected from the group consisting of (a) a biologically active protein or a polypeptide that comprises or that is an amino acid sequence that has or mediates a biological activity and (b) a small molecule drug. Furthermore nucleic acid molecules encoding the biosynthetic random coil polypeptide or polypeptide segment and/or the biologically active heterologous proteins as well as vectors and cells comprising said nucleic acid molecules are disclosed. In addition the present invention provides compositions comprising the compounds of the invention as well as specific uses of the random coil polypeptide or polypeptide segment the biologically active proteins the drug conjugates or the nucleic acid molecules vectors and cells of the invention. Also methods of producing and/or obtaining the inventive biosynthetic random coil polypeptides or polypeptide segments as well as of producing and/or obtaining the inventive biologically active heterologous proteins and/or polypeptide constructs or conjugates like drug conjugates are provided.

No. of Pages: 201 No. of Claims: 31

(21) Application No.9701/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:16/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: LOGGING DEVICE LOGGING SYSTEM AND LOGGING 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</li> </ul>	:28/05/2010 :WO 2011/148430 A1 :NA	(71)Name of Applicant:  1)MITSUBISHI ELECTRIC CORPORATION Address of Applicant: 7 3 Marunouchi 2 chome Chiyoda ku Tokyo 1008310 Japan (72)Name of Inventor: 1)LEE Weihau 2)AOYAMA Naoyuki
(61) Patent of Addition to Application	A1	2)AO I ANIA Naoyuki
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

The disclosed logging device is provided with a collection unit for associating production data from a production device with identification data specific to products produced by said production device and for acquiring said production data and an output unit for outputting said identification data acquired by the collection unit into a traceability file and outputting the production data acquired by the collection unit classified according to the identification data associated with the aforementioned production data in said traceability file. Generating traceability files can reduce the processing burden of the logging device. Further a traceability file can be generated without the need of an extra storage area for storing the data collected by the logging device.

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

(21) Application No.9702/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: PROCESS FOR SELECTIVELY POLYMERIZING ETHYLENE AND CATALYST THEREFOR

:C08F210/16,C08F4/659 (51) International classification (71)Name of Applicant: :PCT/US2010/035096 (31) Priority Document No 1)DOW GLOBAL TECHNOLOGIES LLC (32) Priority Date :17/05/2010 Address of Applicant :2040 Dow Center Midland MI 48674 U.S.A. (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2011/036004 (72)Name of Inventor: Filing Date :11/05/2011 1)KLOSIN Jerzy 2)THOMAS Pulikkottil J. (87) International Publication No :WO 2011/146291 A1 (61) Patent of Addition to Application 3)FROESE Robert D. :NA Number 4)CUI Xiuhua :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

## (57) Abstract:

The present invention generally relates to a process that selectively polymerizes ethylene in the presence of an alpha olefin and to a metal ligand complex (precatalyst) and catalyst useful in such processes and to related compositions. The present invention also generally relates to ligands and intermediates useful for preparing the metal ligand complex and to processes of their preparation.

No. of Pages: 133 No. of Claims: 13

(21) Application No.9562/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: BIOCIDE COMPOSITIONS COMPRISING ALKOXYLATED OLIGOGLYCEROL ESTERS

(51) International :A01N25/30,A01N43/54,A01N43/653 classification

(31) Priority Document No: EP10004859

(32) Priority Date :08/05/2010

(33) Name of priority :EPO

country (86) International

:PCT/EP2011/001579 Application No :30/03/2011

Filing Date

(87) International

:WO 2011/141093 **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) COGNIS IP MANAGEMENT GMBH

Address of Applicant : Henkelstrasse 67 40589 D1/4sseldorf

Germany

(72)Name of Inventor: 1)MACK Sandra 2)MAINX Hans Georg

3)FLEUTE SCHLACHTER Ingo

## (57) Abstract:

Suggested are biocide compositions comprising (a) Alkoxylated oligoglycerol esters; (b) Biocides and optionally (c) Oil components or co solvents and/or (d) Emulsifiers. The compositions show excellent adjuvant properties.

No. of Pages: 33 No. of Claims: 14

(21) Application No.9563/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: SYSTEMS AND METHODS FOR PREDICTING GASTROINTESTINAL IMPAIRMENT

(51) International classification	:A61B5/00,A61B7/04	(71)Name of Applicant:
(31) Priority Document No	:61/3248,79	1)UNIVERSITY OF TENNESSEE RESEARCH
(32) Priority Date	:16/04/2010	FOUNDATION
(33) Name of priority country	:U.S.A.	Address of Applicant :UT Conference Center Suite 211 600 S.
(86) International Application No	:PCT/US2011/032616	Henley Street Knoxville TN 37996 4122 U.S.A.
Filing Date	:15/04/2011	(72)Name of Inventor:
(87) International Publication No	:WO 2011/130589 A2	1)CROMWELL John W.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

In one embodiment predicting gastrointestinal impairment involves obtaining intestinal sounds of a patient to generate audio data identifying predefined spectral events in the audio data that are predictive of subsequent gastrointestinal impairment the spectral events being defined by predefined parameters and predicting the likelihood of subsequent gastrointestinal impairment relative to the identified spectral events.

No. of Pages: 32 No. of Claims: 25

(21) Application No.9564/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: ANIMAL FEED FORMULATIONS COMPRISING BUTYRATE SALT

(51) International classification :A23K1/00,A23K1/16,A23K1/18 (71)Name of Applicant:

(31) Priority Document No :2004557

:15/04/2010 (32) Priority Date (33) Name of priority country :Netherlands

(86) International Application :PCT/IB2011/051625

No :14/04/2011

Filing Date (87) International Publication No:WO 2011/128871

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

Filing Date (62) Divisional to Application :NA Number

:NA Filing Date

1)SANLUC INTERNATIONAL NV

Address of Applicant :Schoolstraat 49 B 9860 Gijzenzele

Belgium

(72)Name of Inventor: 1)GOETHALS Luc

#### (57) Abstract:

The present invention relates to formulations for animal feed comprising granules comprising a mixed butyrate lactate salt; in which the mixed butyrate lactate salt is an at least bivalent metal such as calcium and the butyrate and lactate are present in a molar ratio between 3:1 and 1:3. The granules may be coated. The optionally coated granules have a particle size of 0.1 mm or more preferably 0.2 mm or more and about 2 mm or less preferably about 1 mm or less. In addition the butyrate lactate salt may be combined with another active ingredient that may be chosen from the group consisting of plant extracts prebiotic compounds probiotics yeast extracts medium chain fatty acids unsaturated long chain fatty acids fat soluble vitamins and toxin absorbing compounds.

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

(21) Application No.9565/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: TAP CHANGER FOR A TRANSFORMER

(51) International classification (31) Priority Document No (32) Priority Date	:10 2010 020 138.3 :11/05/2010	(71)Name of Applicant:  1)MASCHINENFABRIK REINHAUSEN GMBH Address of Applicant: Falkensteinstrae 8 93059 Regensburg
<ul><li>(33) Name of priority country</li><li>(86) International Application No Filing Date</li><li>(87) International Publication No</li></ul>	:Germany :PCT/EP2011/000855 :23/02/2011 :WO 2011/141078 A1	Germany (72)Name of Inventor: 1)SCHUSTER Thomas 2)HOCHMUTH Harald
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA :NA	

## (57) Abstract:

The invention relates to a tap changer for a transformer consisting of a plurality of mutually parallel spaced apart contact bars (2) which are arranged in a circle around a center longitudinal axis (MLA) and a contact arrangement (5) which is rotatable in relation to the contact bars (2). In order to produce a convection cooling effect the contact bars (2) are at least partially hollow each bar having at least one first opening (6) for a cooling medium to flow into the bar and at least one second opening (7) for a cooling medium to flow out and the first and second opening (6 7) being arranged at a distance to each other along the center longitudinal axis (MLA).

No. of Pages: 9 No. of Claims: 7

(21) Application No.9743/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/11/2012 (43) Publication Date: 11/04/2014

(54) Title of the invention: INTERACTIVE ADS

(51) International classification :G06Q30/00,G06Q50/0
(31) Priority Document No :12/784474
(32) Priority Date :20/05/2010
(33) Name of priority country :U.S.A.
(86) International Application No :PCT/US2011/037386

Filing Date :20/05/2011 (87) International Publication No :WO 2011/146865

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

:G06Q30/00,G06Q50/00 (71)Name of Applicant : 12/784474 1)GOOGLE INC.

Address of Applicant :1600 Amphitheatre Parkway Mountain

View California 94043 U.S.A.

(72)Name of Inventor: 1)WAYLONIS Dan

2)DEWAN Rajat

## (57) Abstract:

This specification describes technologies relating to content presentation. In general one aspect of the subject matter described in this specification can be embodied in methods that include the actions of receiving an interactive content item at a mobile device; presenting the interactive content item on the mobile device the interactive content item being presented with other content; receiving a user input associated with the content item the user input being one of a plurality of available user inputs associated with the content item; identifying a content item action corresponding to the received user input from among a plurality of content item actions each associated with a different user input; and performing using one or more processors the identified content item action.

No. of Pages: 31 No. of Claims: 30

(21) Application No.9548/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: TARGETED MARKETING WITH CPE BUYDOWN

(51) International classification	:G06Q30/00	(71)Name of Applicant :
(31) Priority Document No	:61/332933	1)SEGMINT INC.
(32) Priority Date	:10/05/2010	Address of Applicant :30B Northwest Avenue Suite 211
(33) Name of priority country	:U.S.A.	Tallmadge OH 44278 U.S.A.
(86) International Application No	:PCT/US2011/035850	(72)Name of Inventor:
Filing Date	:10/05/2011	1)HEISER Russel Robert II
(87) International Publication No	:WO 2011/143166	2)SHAHAN Nathan W.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Systems and methods are described that facilitate incentivizing vendors to give greater discounts on items or services offered or advertised to specific customers on a third party website in exchange for reduced advertisement pricing. For instance a vendor enters offer parameters into a user interface (UI) along with target customer criteria. The target criteria is matched to customer profile data associated with or stored at the website and an advertisement generated using the offer parameter information is presented to customers whose profiles match the target criteria. In return for offering larger discounts a cost per event (CPE) associated with the advertisement is reduced for the vendor. An invoice is generated and transmitted to the vendor and upon receipt of payment the advertisement provider remits a portion of the received payment to the website owner.

No. of Pages: 57 No. of Claims: 15

(21) Application No.9549/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: ELECTRONIC DEVICE, DISPLAY METHOD AND COMPUTER-READABLE RECORDING MEDIUM STORING DISPLAY PROGRAM

(51) International :G06F3/048,G06F3/041,H04M11/00 classification

(31) Priority Document No :2010-098534

(32) Priority Date :22/04/2010

(33) Name of priority country: Japan (86) International

:PCT/JP2011/055381 Application No

:08/03/2011 Filing Date

(87) International Publication :WO 2011/132472 A1 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)SHARP KABUSHIKI KAISHA

Address of Applicant :22 22 Nagaike cho Abeno ku Osaka shi

Osaka 5458522 Japan (72)Name of Inventor: 1)YAMAMOTO Masaki

(57) Abstract:

Disclosed is a display device (100A) comprising memory a touch panel which displays a background image and a processor which captures an image drawn by hand on the touch panel and displays the drawn image superimposed over the background image on the touch panel. The display device captures the input of a command to clear the drawn image superimposed over the background image saves the background image and drawn image as displayed on the touch screen when the command was input in the memory as history data and displays the superimposed background image and drawn image on the touch panel based on the history data.

No. of Pages: 82 No. of Claims: 13

(21) Application No.9550/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: TREATMENT METHODS

(51) International :A61K39/395,A61K31/337,C07K16/28 classification

(31) Priority Document No:61/345044

(32) Priority Date :14/05/2010

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

country (86) International

:PCT/US2011/036693 Application No

:16/05/2011 Filing Date

(87) International

:WO 2011/143665 **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)F. HOFFMANN LA ROCHE AG

Address of Applicant :Grenzacherstrasse 124 CH 4070 Basel

Switzerland

(72)Name of Inventor: 1)PATEL Premal H.

2)PETERSON Amy C.

## (57) Abstract:

The present invention relates to the treatment of triple negative metastatic breast cancer with a combination of anti c Met antibodies and taxanes. The combinations may further contain anti VEGR antibodies.

No. of Pages: 107 No. of Claims: 16

(21) Application No.9558/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :09/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD AND SYSTEM FOR FACILITATING NON INTERRUPTIVE TRANSACTIONS

(51) International classification	:G06Q40/00,G06F19/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)INFOSYS LIMITED
(32) Priority Date	:NA	Address of Applicant :Plot No. 44 Electronics City Hosur
(33) Name of priority country	:NA	Road Bangalore 560 100 Karnataka India
(86) International Application No	:PCT/IN2010/000778	(72)Name of Inventor:
Filing Date	:01/12/2010	1)MAIYA Rajashekara Visweswara
(87) International Publication No	:WO 2012/073248	2)KUNJUMPIDUKKAL Sachindran
(61) Patent of Addition to Application	:NA	3)VISWANATH Manjunath Dindukurthi
Number	:NA	
Filing Date	IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A system method and computer program product for facilitating non interruptive transactions is provided wherein the transactions are initiated at one or more transaction channels. The system comprises one or more transaction processing servers configured to perform transactions initiated at the transaction channels each transaction processing server comprising predetermined logic for performing the initiated transactions. The system further comprises one or more monitors configured to monitor the availability of the transaction processing servers and forward the availability information to an integration module. The integration module is configured to forward the transactions initiated at the transaction channels to at least one transaction processing server based on the received availability information and predetermined criteria for forwarding transactions for processing to the transaction processing servers.

No. of Pages: 41 No. of Claims: 33

(21) Application No.9736/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/11/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention : METHOD FOR MANUFACTURING SOLAR CELL MODULE AND SOLAR CELL MODULE MANUFACTURED BY THE METHOD

(51) International classification	:H01L31/042	(71)Name of Applicant :
(31) Priority Document No	:2010149308	1)SHARP KABUSHIKI KAISHA
(32) Priority Date	:30/06/2010	Address of Applicant :22 22 Nagaike cho Abeno ku Osaka shi
(33) Name of priority country	:Japan	Osaka 5458522 Japan
(86) International Application No	:PCT/JP2011/064892	(72)Name of Inventor:
Filing Date	:29/06/2011	1)OBINATA Ryosuke
(87) International Publication No	:WO 2012/002422	2)HORINAKA Hajime
(61) Patent of Addition to Application	:NA	3)MIZUO Kazuhiro
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

Disclosed is a method for manufacturing a solar cell module which includes: a step wherein a solar cell (25) is formed on a front surface side insulating substrate (22); a step wherein on the front surface side insulating substrate (22) having the solar cell (25) formed thereon a sealing member (24) is disposed said sealing member being formed in a shape smaller than the outer circumferential shape of the front surface side insulating substrate (22) and that of the rear surface side insulating substrate (23) and having a recessed and projected shape on the side that faces the solar cell (25); a step wherein the rear surface side insulating substrate (23) is disposed on the sealing member (24); a step wherein the solar cell (25) is sealed between the front surface side insulating substrate (22) and the rear surface side insulating substrate (23) by squashing the recessed and projected portion of the sealing member (24) and adhering the recessed and projected portion on the solar cell (25) by applying heat while applying pressure from above the rear surface side insulating substrate (23) under vacuum conditions; and a step wherein the sealing member is cured by cooling. The sealing member is an ionomer resin.

No. of Pages: 54 No. of Claims: 9

(21) Application No.9745/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: ANTI VIRAL COMPOSITION AND METHOD

(51) International classification	:A61K9/16	(71)Name of Applicant:
(31) Priority Document No	:NA	1)KIANI Iraj E.
(32) Priority Date	:NA	Address of Applicant: 18800 Delaware Street 9th Floor
(33) Name of priority country	:NA	Huntington Beach CA 92648 U.S.A.
(86) International Application No	:PCT/US2010/027680	(72)Name of Inventor:
Filing Date	:17/03/2010	1)KIANI Iraj E.
(87) International Publication No	:WO 2011/019414	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

An antiviral composition and a method of treating viral conditions comprising a silver containing substance such as colloidal silver silver nitrate or a combination thereof and unripe fig.

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

(21) Application No.9749/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:19/11/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: BIOMASS PULVERIZING DEVICE AND BIOMASS COAL CO COMBUSTION SYSTEM

(51) International classification :B02C15/04,C10L5/44,F23C1/00 (71)Name of Applicant :

(31) Priority Document No :2010117650 (32) Priority Date :21/05/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/061228

No :16/05/2011

Filing Date (87) International Publication No:WO 2011/145575

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to Application :NA Number

:NA Filing Date

1)MITSUBISHI HEAVY INDUSTRIES LTD.

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

1088215 Japan

(72)Name of Inventor:

1)IIDA Yutaka

2)YAMAMOTO Tsugio 3)YAMAGUCHI Yoshiki 4)KINOSHITA Masaaki 5)UEMATSU Yoshishige

(57) Abstract:

The pulverizing device (13) is provided with a feedstock supply pipe (12) which supplies biomass feedstock (11) from above in the vertical direction a pulverizing table (14) whereon the supplied biomass feedstock is loaded and pulverizing rollers (16) that are operated by being linked to rotation of the pulverizing table (14) and pulverize the biomass feedstock (11) by means of pressure a blower means that creates an upward current and a separator (19) which classifies the pulverized biomass powder (17). The pulverizing device comprises a vertical rim (14a) that surrounds the pulverizing table (14) and also is provided with a first projecting ledge (31) wherein a plurality of slits (32) is formed which extends from the pulverizing device (13) towards the lower part of the pulverizing rollers (16) and forms a prescribed gap with the upper surface of the vertical rim (14a).

No. of Pages: 25 No. of Claims: 4

(21) Application No.9750/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:19/11/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: CONTENT REPRODUCTION DEVICE CONTROL METHOD FOR CONTENT REPRODUCTION DEVICE CONTROL PROGRAM AND RECORDING MEDIUM

(51) International classification: H04N5/91,G06F17/30,G09B5/02 (71) Name of Applicant:

:27/05/2011

:WO 2011/155350

(31) Priority Document No :2010131163 (32) Priority Date :08/06/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/062237

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)SHARP KABUSHIKI KAISHA

Address of Applicant :22 22 Nagaike cho Abeno ku Osaka shi

Osaka 5458522 Japan (72)Name of Inventor: 1)MIYANO Yasuhiro

An electronic learning device (1) is provided with a search processing unit (21) which searches dictionary data (31) by a keyword inputted when moving image data (30) is being reproduced and displays the result of the search and a history data generation unit (22) which generates history data (32) in which the reproduction time of a content when the search processing unit (21) conducts the search the keyword used for the search by the search processing unit (21) and a used dictionary used for the search by the keyword are associated with one another.

No. of Pages: 218 No. of Claims: 31

(21) Application No.9751/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:19/11/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: DISPLAY DEVICE AND METHOD OF DRIVING THE SAME AND DISPLAY SYSTEM

(51) International classification: G09G3/36,G02F1/133,G09G3/20 (71) Name of Applicant:

:NA

:WO 2011/145360

(31) Priority Document No :2010117804

(32) Priority Date :21/05/2010

(33) Name of priority country :Japan

(86) International Application :PCT/JP2011/051789

No

:28/01/2011 Filing Date

(87) International Publication

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

Filing Date (62) Divisional to Application :NA

Number Filing Date

1)SHARP KABUSHIKI KAISHA

Address of Applicant :22 22 Nagaike cho Abeno ku Osaka shi

Osaka 5458522 Japan (72)Name of Inventor: 1)SAITOH Kohji

2)YANAGI Toshihiro

3)OZAKI Masami

## (57) Abstract:

Disclosed is a method of driving a display device for a device provided with a scanning line drive circuit which sequentially selects by line a plurality of scanning signal lines; and a signal line drive circuit provided with an output circuit that allows current to flow which through the output circuit and a plurality of data signal lines sequentially supplies a data signal to a pixel on the scanning signal line that is selected; the method of driving the display device comprising: a synchronization signal output step wherein a horizontal synchronization control signal which has a period shorter than the period of an inputted horizontal synchronization signal and a vertical synchronization control signal are output on the basis of the inputted horizontal synchronization signal and the inputted vertical synchronization signal; a scanning step wherein a data signal is supplied to all the pixels on the plurality of scanning signal lines within a vertical interval as defined by the vertical synchronization control signal; and a capacity controlling step wherein within a vertical interval the capacity of the output circuit is reduced after the scanning step has completed.

No. of Pages: 68 No. of Claims: 11

(21) Application No.9752/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:19/11/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: BRAKE BEAM ASSEMBLY

(51) International classification	:B61H13/36	(71)Name of Applicant :
(31) Priority Document No	:12/763,356	1)A. STUCKI CO.
(32) Priority Date	:20/04/2010	Address of Applicant :2600 Neville Road Pittsburgh
(33) Name of priority country	:U.S.A.	Pennsylvania 15225 U.S.A.
(86) International Application No	:PCT/US2010/035809	(72)Name of Inventor:
Filing Date	:21/05/2010	1)DE LA FUENTE FARIAS Jorge Alberto
(87) International Publication No	:WO 2011/133168 A1	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	NIA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A low weight and low cost brake beam assembly having high static strength and fatigue resistance having two independent brake heads each including a receiving section for receiving and retaining an end of a tension member an end of a compression member and a portion of an end extension.

No. of Pages: 43 No. of Claims: 27

(21) Application No.9684/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 16/11/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: THERMOPLASTIC COMPOSITIONS AND FORMED ARTICLES THEREOF

(51) International classification :C08L23/28,C08L23/16,C08F8/22 (71)Name of Applicant :

:WO 2011/144039

(31) Priority Document No :PCT/CN2010/073043

:21/05/2010 (32) Priority Date (33) Name of priority country :China

(86) International Application :PCT/CN2011/074326

No

:19/05/2011 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)DOW GLOBAL TECHNOLOGIES LLC

Address of Applicant :2040 Dow Center Midland Michigan

48674 U.S.A.

(72)Name of Inventor:

1)PENG Shuwen

2)REGO Jose M.

#### (57) Abstract:

A composition comprises A) a chlorinated ethylene based polymer and B) an ethylene based polymer and wherein the total chlorine content of the composition is greater than or equal to 13 weight percent based on the total weight of polymers in the composition.

No. of Pages: 33 No. of Claims: 15

(21) Application No.987/CHE/2009 A

(19) INDIA

(22) Date of filing of Application :29/04/2009

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD AND SYSTEM FOR CREATING A PROFILES SOCIAL 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> </ul>	:NA :NA :NA :NA :NA	(71)Name of Applicant:  1)HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.  Address of Applicant: 11445 COMPAQ CENTER DRIVE WEST HOUSTON TX 77070 U.S.A.  (72)Name of Inventor:
<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)AJAY GUPTA 2)SOMNATH BANERJEE 3)KRISHNAN RAMANATHAN

#### (57) Abstract:

Presented is a computer implemented method and system for creating a profiled social network. The method includes mapping at least one identity to each node in the plurality of nodes, defining a profile for each node In the plurality of nodes, Identifying a relationship between the at least two nodes in the plurality of nodes, defining a profile for the relationship between the at least two nodes in the plurality of nodes, and forming a collection of profiles defined for all relationships between the plurality of nodes.

No. of Pages: 23 No. of Claims: 15

(21) Application No.9126/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :25/10/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: TANK WASH 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</li> </ul>	:30/03/2011 :WO 2011/123537 :NA :NA	(71)Name of Applicant:  1)SPRAYING SYSTEMS CO.  Address of Applicant:North Avenue at Schmale Road P.O. Box 7900 Wheaton Illinois 60187 U.S.A. (72)Name of Inventor:  1)BROWN Kathleen 2)SCHICK Rudolf J. 3)KALATA Wojciech
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A tank wash visualization method for planning a tank wash cycle with respect to a tank includes creating a CFD model of the tank system applying a plurality of parameters to the model validating the CFD model including alternate geometries in the model and based on the model determining the minimum time needed to successfully clean all parts of the tank.

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

(21) Application No.9727/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:19/11/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: SELECTIVELY ADDING SOCIAL DIMENSION TO WEB SEARCHES

(51) International classification :G06F17/30,G06F15/16 (71)Name of Applicant : (31) Priority Document No :12/764818 1)YAHOO! INC. (32) Priority Date :21/04/2010 Address of Applicant: 701 First Avenue Sunnyvale CA 94089 (33) Name of priority country :U.S.A. U.S.A. (86) International Application No :PCT/US2011/033318 (72)Name of Inventor: Filing Date :20/04/2011 1)GULIK Tom (87) International Publication No :WO 2011/133716 2)IYER Arun Shankar (61) Patent of Addition to Application 3)SARKAR Prasenjit :NA Number 4)KAKADE Vinay :NA Filing Date 5)TAM Erwin (62) Divisional to Application Number :NA Filing Date :NA

## (57) Abstract:

Embodiments are directed towards managing a display of search results by employing a query classification for a search query to selectively display trust search results that are displayed distinct from non trust search results. A search query is classified into a query class. A search is then performed over non trust sources and selectively over trust data sources to obtain non trust and trust search results respectively. The trust search results are rank ordered based on various categories of search criteria including for example explicit and implicit relationships. Based on the query class a different number of trust search results may be displayed. Further a position for which the trust search results may be displayed may be based on the query class. Moreover the non trust search results displayed distinct or separate from the trust search results to readily distinguish a type of source of the search results.

No. of Pages: 46 No. of Claims: 15

(21) Application No.4465/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :26/10/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: ROBOT ARM STRUCTURE AND ROBOT

<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>	:Japan	(71)Name of Applicant:  1)KABUSHIKI KAISHA YASKAWA DENKI Address of Applicant:2-1, KUROSAKI-SHIROISHI, YAHATANISHI-KU, KITAKYUSHU-SHI, FUKUOKA 806-0004 Japan
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)TADATAKA NOGUCHI
(87) International Publication No	: NA	2)YUUKI OHARA
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An arm structure of a robot installed in a vacuum chamber kept in a depressurized state includes a first arm, a second arm, and an end effector configured to hold a workpiece. The first arm is provided with a specified drive system arranged in an inside of the first arm, and the inside of the first arm is kept in an atmospheric pressure state. The second arm has no drive system therein. A partition wall is provided near a connecting portion of the first arm and the second arm to isolate the atmospheric pressure state maintained within the first arm from the depressurized state. An airtight terminal is provided in the partition wall to electrically interconnect an atmosphere side and a vacuum side in an airtight state.

No. of Pages: 30 No. of Claims: 9

(21) Application No.7460/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :29/08/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: CONFORMAL HEAT EXCHANGER FOR BATTERY CELL STACK

(51) International classification	:H01M10/50	(71)Name of Applicant :
(31) Priority Document No	:61/300616	1)DANA CANADA CORPORATION
(32) Priority Date	:02/02/2010	Address of Applicant :656 Kerr Street Oakville Ontario L6K
(33) Name of priority country	:U.S.A.	3E4 Canada
(86) International Application No	:PCT/CA2011/050054	(72)Name of Inventor:
Filing Date	:01/02/2011	1)PALANCHON Herv
(87) International Publication No	:WO 2011/094863	2)KOZDRAS Mark S.
(61) Patent of Addition to Application	:NA	3)MARTIN Michael A.
Number	:NA	4)BURGERS John G.
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A heat exchanger structure for use in a battery unit that comprises a first battery stack comprising a plurality of battery cells and a second battery stack comprising a plurality of battery cells. The heat exchanger structure is disposed between opposing surfaces of the first battery stack and the second battery stack and defines one or more fluid flow passages the heat exchanger structure being dimensionally compliant to compress under expansion of the first and second battery stacks and expand under subsequent contraction of the first and second battery stacks.

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

(21) Application No.7810/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :10/09/2012 (43) Publication Date : 11/04/2014

## (54) Title of the invention: RADIOWAVE ABSORBER AND PARABOLIC ANTENNA

(51) International :H01Q17/00,H01Q15/14,H01Q19/10

(31) Priority Document No :2010030712

(32) Priority Date :15/02/2010
 (33) Name of priority

country :Japan

(86) International :PCT/JP2010/062782

Application No
Filing Date :FC1/3F2010

(87) International

Publication No :WO 2011/099183

(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)IWANAKA Daisuke
2)KURAMOTO Akio
3)FUKUDA Junichi

## (57) Abstract:

The present invention includes: an upper plate that includes a dielectric material containing conductive particles; a lower plate that is arranged parallel to the upper plate, and includes a dielectric material that contains conductive particles; and a plate-shaped support portion that is arranged between the upper plate and the lower plate, and supports the upper plate and the lower plate.

No. of Pages: 39 No. of Claims: 15

(21) Application No.9470/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :07/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : METHOD FOR CONTAMINATION PREVENTION IN FLUID STORAGE TANK REQUIRING TEMPERATURE CONTROL AND DEVICE THEREFOR

(51) International classification :B65D90/22,B65D88/74 (71)Name of Applicant : (31) Priority Document No :2010-092479 1)YATSUO DAIRY COOPERATIVE (32) Priority Date :13/04/2010 Address of Applicant:5366 Fukujima Yatsuomachi Toyama (33) Name of priority country :Japan shi Toyama 9392376 Japan (86) International Application No (72)Name of Inventor: :PCT/JP2011/059031 Filing Date :11/04/2011 1)OHKAMI Kohhei (87) International Publication No :WO 2011/129306 A1 2)OHKAMI Shuji (61) Patent of Addition to Application 3)HASE Hiroshi :NA Number :NA Filing Date

#### (57) Abstract:

Filing Date

Disclosed are a method and a device for preventing contamination of a fluid by a cooling/heating medium in a fluid storage tank wherein the temperature is controlled by the cooling/heating medium. Provided are a method and a device for the method wherein the temperature of a fluid storage tank (2) is controlled using a liquid cooling/heating medium by flowing the cooling/heating medium within a sealed pressure resistant jacket (4) provided on the outside of a wall surface of the fluid storage tank (2) placed under a constant pressure and the cooling/heating medium flows in the sealed pressure resistant jacket (4) at a pressure equal to or lower than a pressure x (atm) and preferably lower than x (atm) of the inside of the fluid storage tank (2) so as to prevent contamination of the fluid by the cooling/heating medium in the storage tank (2).

No. of Pages: 40 No. of Claims: 13

(62) Divisional to Application Number

:NA

:NA

(21) Application No.9525/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: DEODORIZATION OF POLYMER COMPOSITIONS

(51) International :C08F6/00,C08F283/06,C08L51/08 classification

(31) Priority Document No :10159770.6

(32) Priority Date :13/04/2010 (33) Name of priority country: EPO

(86) International Application :PCT/EP2011/055690

No :12/04/2011

Filing Date :WO 2011/128327

(87) International Publication

(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)BASF SE

Address of Applicant: 67056 Ludwigshafen Germany

(72)Name of Inventor: 1)AHMADNIAN Fatemeh

2)LOTH Wolfgang

3)WASSMER Karl Heinz 4)BRODHAGEN Andreas

5)KONRAD Gerd

The present invention relates to a method for reducing residual volatiles from polymer compositions.

No. of Pages: 34 No. of Claims: 17

<sup>(57)</sup> Abstract:

(21) Application No.9696/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : COMMUNICATION SYSTEM STATION SIDE COMMUNICATION DEVICE USER SIDE COMMUNICATION DEVICE COMMUNICATION METHOD AND CONTROL DEVICE

(51) International classification	:H04L12/44	(71)Name of Applicant :
(31) Priority Document No	:2011-039740	1)Mitsubishi Electric Corporation
(32) Priority Date	:25/02/2011	Address of Applicant :7 3 Marunouchi 2 chome Chiyoda ku
(33) Name of priority country	:Japan	Tokyo 1008310 Japan
(86) International Application No	:PCT/JP2012/051825	(72)Name of Inventor:
Filing Date	:27/01/2012	1)MUKAI Hiroaki
(87) International Publication No	:WO 2012/114827	2)TANO Fumihiko
	A1	3)TANAKA Masaki
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) A1		<u> </u>

#### (57) Abstract:

An OLT (1) is provided with: an OLT control unit (2) which generates a control signal for controlling a power saving operation of an ONU (10 1) by designating different pause periods with respect to a first power saving operation and a second power saving operation wherein in the first power saving operation an optical transmitter (141) of the ONU (10 1) is controlled under the power saving state while an optical receiver (142) is operated whereas in the second power saving operation the optical transmitter (141) and the optical receiver (142) are controlled under the power saving state; and a station side transmitter which transmits the control signal generated by the OLT control unit (2) to the ONU. The ONU (10 1) is provided with an ONU control unit (11) which receives the control signal through the optical receiver (142) and selectively executes the first power saving operation and the second power saving operation on the basis of the pause period designated by the control signal.

No. of Pages: 117 No. of Claims: 27

(21) Application No.9697/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/11/2012 (43) Publication Date : 11/04/2014

## (54) Title of the invention: PROPYLENE POLYMER COMPOSITIONS

(51) International classification	:C08L23/14,C08J5/18	(71)Name of Applicant :
(31) Priority Document No	:10163355.0	1)BASELL POLIOLEFINE ITALIA SRL
(32) Priority Date	:20/05/2010	Address of Applicant :Via Pergolesi 25 I 20124 Milano Italy
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:PCT/EP2011/057475	1)MASSARI Paola
Filing Date	:10/05/2011	2)CIARAFONI Marco
(87) International Publication No	:WO 2011/144489	3)CAPUTO Tiziana
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A propylene polymer composition comprising: A) 70 94%wt of a propylene ethylene copolymer comprising from 2.5 to 5 %wt of ethylene derived units; and B) 6 30 %wt of a second propylene ethylene copolymer comprising from 35 to 60 %wt of ethylene derived units. Said propylene polymer composition having a MFR L (Melt Flow Rate according to ISO 1133 condition L i.e. 230°C and 2.16kg load) from 0.1 to 5 g/10 min and an Intrinsic Viscosity of the fraction soluble in xylene [XSIV] at room temperature: from 1 to 4.5 dl/g. Such propylene polymer composition being particularly suitable for the production of injection moulded articles and in particular of films.

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

(21) Application No.9698/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 16/11/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: POLARIZED PROJECTION ILLUMINATOR

:WO 2011/146267

(51) International classification: G02B27/18,G03B21/20,G02F1/13 (71) Name of Applicant:

(31) Priority Document No :61/346190 :19/05/2010 (32) Priority Date

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

(86) International Application

:PCT/US2011/035675 No :09/05/2011

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)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)WATSON Philip E. 2)YUN Zhisheng

3)OUDERKIRK Andrew J.

4)CHENG Xiaohui 5)TAN Kim Leong 6)TIO Andrew T.

(57) Abstract:

The present disclosure relates generally to an optical element a light projector that includes the optical element and an image projector that includes the optical element. In particular the optical element provides an improved uniformity of light by homogenizing the light with lenslet arrays such as fly eye arrays (FEA). The FEA is positioned to homogenize a polarized combined light after an unpolarized input light is converted to a single polarization state.

No. of Pages: 27 No. of Claims: 20

(21) Application No.9699/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:16/11/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: HETERODIMERIC ANTIBODY FC CONTAINING PROTEINS AND METHODS FOR PRODUCTION THEREOF

(51) International :C07K16/28,C07K16/46,C07K16/10

classification

(31) Priority Document No :61/326082 (32) Priority Date :20/04/2010

(33) Name of priority country:U.S.A. (86) International

:PCT/EP2011/056388 Application No

:20/04/2011 Filing Date

No

(87) International Publication :WO 2011/131746

(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)GENMAB A/S

Address of Applicant :P.O. Box 9068 Bredgade 34 DK 1260

Copenhagen K Denmark (72)Name of Inventor: 1)LABRIJN Aran Frank 2)MEESTERS Joyce 3)BREMER Ewald van den 4) NEIJSSEN Joost J. 5)BERKEL Patrick van

6)GOEIJ Bart de 7)VINK Tom

8)VAN DE WINKEL Jan 9)SCHUURMAN Janine 10)PARREN Paul

(57) Abstract:

Heterodimeric antibody Fc containing proteins such as bispecific antibodies and novel methods for producing such proteins.

No. of Pages: 188 No. of Claims: 82

(21) Application No.9703/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :16/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : APPARATUS AND METHODS FOR REDUCING THE AMBIENT MAGNETIC FIELD STRENGTH TO FACILITATE ARC WELDING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:1006656.1 :21/04/2010 :U.K. :PCT/GB2011/050785 :20/04/2011 :WO 2011/131985 :NA :NA	(71)Name of Applicant:  1)DIVERSE TECHNOLOGIES AND SYSTEMS LIMITED Address of Applicant: Zeromag House 46 48 Whittlesford Road Shelford Cambridge Cambridgeshire CB22 5EW U.K. (72)Name of Inventor: 1)FOULDS Stephen Anthony Lawrence 2)ANDERSON John Douglas
Filing Date	:NA	

## (57) Abstract:

Apparatus for reducing the strength of an ambient magnetic field in a weld region comprises a magnetic field generator (50 52 54 56) for generating an opposing magnetic field in the weld region in response to an input current a magnetic field sensor (140) for sensing the direction and the magnitude of an ambient magnetic field in any vector direction in the weld region and outputting a sensor signal in response thereto and a controller (7) arranged to receive the sensor signal and control the input current to the magnetic field generator in response to the sensor signal so as to generate the opposing magnetic field which reduces the magnetic field in the weld region. Methods for reducing the magnetic field in a weld region using apparatus of this form are also provided.

No. of Pages: 38 No. of Claims: 63

(21) Application No.9706/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 16/11/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: CEMENTITIOUS PRODUCT SUITABLE IN PARTICULAR AS SUBSTRATE FOR A THIN FILM PHOTOVOLTAIC MODULE AND METHOD OF PRODUCTION THEREOF

(51) International :H01L31/0392,E04D13/18,C04B28/04 classification (31) Priority Document No: MI2010A000670 :20/04/2010 (32) Priority Date (33) Name of priority :Italy country (86) International :PCT/IB2011/051689 Application No :19/04/2011 Filing Date

(87) International

:WO 2011/132143 **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)ITALCEMENTI S.P.A.

Address of Applicant :Via G. Camozzi 124 I 24121 Bergamo

Italy

(72)Name of Inventor: 1)ALFANI Roberta 2) CAPONE Claudia 3)PLEBANI Marco

#### (57) Abstract:

The present invention relates to a substrate for a thin film photovoltaic module characterized in that it is a cementitious product with average surface roughness Ra not higher than 500 nm. The invention also relates to the cementitious product as such the thin film photovoltaic module comprising it and a method of moulding both of them.

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

(21) Application No.9618/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:14/11/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: NARROW PSD HYDRAULIC CEMENT SCM BLENDS AND METHODS FOR MAKING SAME

(51) International classification :C04B28/00,C04B7/00,C04B7/36 (71)Name of Applicant: (31) Priority Document No :61/324741 :15/04/2010 (32) Priority Date

:WO 2011/130482

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

(86) International Application :PCT/US2011/032442

No :14/04/2011

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)ROMAN CEMENT LLC

Address of Applicant :282 East Maxine Circle Bountiful UT

84010 U.S.A.

(72)Name of Inventor: 1)GUYNN John M. 2) HANSEN Andrew S.

(57) Abstract:

Hydraulic cements such as Portland cements and other cements that include substantial quantities of tricalcium silicate (CS) dicalcium silicate (CS) tricalcium aluminate (CA) and/or tetracalcalcium alumino ferrite (CAF) are particle size optimized to have increased reactivity compared to cements of similar chemistry and/or decreased water demand compared to cements of similar fineness. Increasing hydraulic cement reactivity increases early strength development and release of reactive calcium hydroxide both of which enhance SCM replacement and 1 28 day strengths compared to blends of conventional Portland cement and one or more SCMs such as coal ash slag or natural pozzolan. Decreasing the water demand can improve strength by decreasing the water to cement ratio for a given workability. The narrow PSD cements are well suited for making blended cements including binary ternary and quaternary blends.

No. of Pages: 63 No. of Claims: 41

(21) Application No.9405/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012 (43) Publication Date : 11/04/2014

## (54) Title of the invention: METHOD FOR PRODUCING 1 5 PENTANEDIAMINE

(51) International :C12P13/00,C12N15/09,C07C211/09

classification (31) Priority Document No :2010-091602

(32) Priority Date :12/04/2010

(33) Name of priority :Japan

country

(86) International :PCT/JP2011/058987

Application No
Filing Date

11/04/2011

(87) International

Publication No :WO 2011/129293 A1

(61) Patent of Addition to Application Number :NA

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

Application Number Filing Date :NA (71)Name of Applicant:

1)TORAY INDUSTRIES INC.

Address of Applicant: 1 1 Nihonbashi Muromachi 2 chome

Chuo ku Tokyo 1038666 Japan

(72)Name of Inventor:

1)SAWAI Kenji 2)WATANABE Shiomi

3)MIMITSUKA Takashi

4)SAWAI Hideki

#### (57) Abstract:

Disclosed is a method for producing 1 5 pentanediamine through fermentation using a microorganism said microorganism having LDC gene in the chromosome and showing regulated secondary production of L lysine. In the method for producing 1 5 pentanediamine whereby 1 5 pentanediamine is produced by a coryneform bacterium having a gene encoding lysine decarboxylase in the chromosome said coryneform bacterium continuously maintains a lysine decarboxylase activity of 50 mU/mg protein or greater during the culture.

No. of Pages: 48 No. of Claims: 12

(21) Application No.9407/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: DEVICE FOR PRODUCING PRECISE TIGHTENING TORQUE FOR SCREW CONNECTIONS

(51) International :B25B13/46,B25B17/02,B25B23/00 classification

(31) Priority Document No :10 2010 019 792.0

(32) Priority Date :06/05/2010 (33) Name of priority country: Germany

(86) International Application :PCT/DE2011/001020 No

:03/05/2011 Filing Date

(87) International Publication :WO 2012/019575 A1

(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)L-SOMAT SCHRAUBTECHNIK NEEF GMBH Address of Applicant :Bertha Benz Strasse 12 71665

Vaihingen/Enz Germany (72)Name of Inventor: 1)GAREIS Marc

## (57) Abstract:

The invention relates to a device for producing precise tightening torque for screw connections characterised by the combination of a torque multiplier (100) and a torque wrench (200) which is adapted to said torque multiplier and calibrated therewith. The invention also relates to a method for calibrating said type of device.

No. of Pages: 19 No. of Claims: 11

(21) Application No.9411/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHODS AND APPARATUS FOR SULFUR RECOVERY FROM ACID GASES

(51) International :C01B17/04,C01B17/16,B01D53/14

classification

(31) Priority Document No :12/770972 (32) Priority Date :30/04/2010 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2011/033383

No :21/04/2011 Filing Date

(87) International Publication :WO 2011/137020

(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)BLACK & VEATCH CORPORATION

Address of Applicant: 11401 Lamar Ave. Overland Park KS

66211 U.S.A.

(72)Name of Inventor: 1)LAMAR Justin A.

## (57) Abstract:

Apparatus and methods for recovering sulfur from acid gases. Acid gases containing relatively high amounts of carbonyl sulfide and/or one or more types of mercaptans can be treated in a sulfur recovery system employing an acid gas enrichment zone and a tail gas treatment zone where partially loaded sulfur absorbing solvent from the tail gas treatment zone is employed for sulfur absorption in the acid gas enrichment zone. Off gas from the acid gas enrichment zone can be combined and hydrogenated with a sulfur recovery unit tail gas thereby increasing the total amount of sulfur recovery from the initial acid gas.

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

(21) Application No.9414/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: MOBILE TERMINAL DEVICE AND WIRELESS BASE STATION DEVICE

(51) International classification: H04J99/00,H04B7/04,H04J11/00 (71) Name of Applicant: :2010-104838 (31) Priority Document No

:30/04/2010 (32) Priority Date (33) Name of priority country :Japan

(86) International Application :PCT/JP2011/060375

No :28/04/2011 Filing Date

(87) International Publication :WO 2011/136331 A1

(61) Patent of Addition to

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)NTT DOCOMO INC.

Address of Applicant: 11 1 Nagatacho 2 chome Chiyoda ku

Tokyo 1006150 Japan (72)Name of Inventor: 1)TAOKA Hidekazu 2)KAKISHIMA Yuichi 3)KUSUME Katsutoshi

4)DIETL Guido

(57) Abstract:

Provided is a mobile terminal device and wireless base station device that can efficiently provide PMI feedback by pre coder selection using two code books (W1 W2) in downlink MIMO transmission. The mobile terminal device (10) is characterized by comprising: a feedback control signal generation means (111) that separately channel encodes a first PMI selected from a first code book for wideband/long period use and a second PMI selected from a second code book for sub band/short period use; and a transmission means that transmits the first PMI and second PMI that were separately channel encoded to the wireless base station device by a physical shared uplink channel.

No. of Pages: 59 No. of Claims: 20

(21) Application No.9638/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012 (43) Publication Date : 11/04/2014

## (54) Title of the invention: CLOUD COMPUTING CALL CENTERS

(51) International classification	:H04M3/42	(71)Name of Applicant:
(31) Priority Document No	:12/762216	1)BOLDER THINKING LLC
(32) Priority Date	:16/04/2010	Address of Applicant: 1219 East Woodford Place Arlington
(33) Name of priority country	:U.S.A.	Illinois 60006 6756 U.S.A.
(86) International Application No	:PCT/US2011/031974	(72)Name of Inventor:
Filing Date	:11/04/2011	1)JASPER John
(87) International Publication No	:WO 2011/130179	2)VAN VLEET James A.
(61) Patent of Addition to Application	:NA	3)HUSHKA Nicole J.
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Embodiments of the present invention generally relate to a cloud computing call center that may provide a multi tenanted platform for scalable dynamic allocation of telephony PBX and call center capabilities. Embodiments of the invention include implementations of a software telephony switch in a cloud computing environment that may dynamically allocate software based PBXes virtual interactive voice responses (IVRs) and other system components to particular calls.

No. of Pages: 34 No. of Claims: 26

(21) Application No.9595/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 12/11/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: PROCESS FOR THE PRODUCTION OF FERROUS SULPHATE MONOHYDRATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C01G49/14 :1008185.9 :17/05/2010 :U.K. :PCT/GB2011/050932 :16/05/2011 :WO 2011/144927 :NA :NA	(71)Name of Applicant:  1)TIOXIDE EUROPE LIMITED  Address of Applicant: Haverton Hill House Billingham  Stockton on Tees Durham TS23 1PS U.K.  (72)Name of Inventor:  1)GATES Kim William  2)ROBERTS Simon Nicholas
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention provides a process for the production of ferrous sulphate monohydrate which comprises: (a) reacting a source of iron with an aqueous solution of sulphuric acid in at least a first reaction vessel to obtain a process liquor comprising ferrous sulphate and acid solution; and then(b) combining the process liquor with concentrated sulphuric acid in a mixing vessel causing the solution to self crystallize thus forming a slurry comprising crystalline ferrous sulfate monohydrate. The slurry can if desired then be converted to ferric sulphate.

No. of Pages: 26 No. of Claims: 25

(21) Application No.9596/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 12/11/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: LOGIC OPERATION SYSTEM

(51) International classification	:G06F17/30,G06N5/04	(71)Name of Applicant:
(31) Priority Document No	:2010151686	1)YANASE Takatoshi
(32) Priority Date	:02/07/2010	Address of Applicant :421 187 Tsuchiyama Hiraoka cho
(33) Name of priority country	:Japan	Kakogawa shi Hyogo 6750104 Japan
(86) International Application No	:PCT/JP2011/064249	(72)Name of Inventor :
Filing Date	:22/06/2011	1)YANASE Takatoshi
(87) International Publication No	:WO 2012/002215	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.ivA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Disclosed is a logical operation system wherein: a memory unit includes attribute and attribute identifiers that uniquely identify said attributes are associated with said attributes; same value reference data that is at least one data that indicates said attributes are associated with said attribute identifiers; said attribute identifiers are formed by symbols that are not words that indicate the attributes and which do not have inherent meaning; said attributes include a weighting associated to the association between the same value reference data and the attribute identifiers; and said weighting indicates the degree of relativity between the associated same value reference data and the attribute of the attribute identifier. When data is applied the logical operation system determines whether or not the applied data is the same as the same value reference data obtains the weighting between the same value reference data that has been determined as the same and the associated attribute identifier and selects the attribute if the total weighting obtained for the attribute fulfills predetermined conditions.

No. of Pages: 41 No. of Claims: 12

(21) Application No.9448/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: FUSED BICYCLIC KINASE INHIBITORS

:WO 2011/143645

(51) International :C07D471/04,A61K31/437,A61P35/00

classification

(31) Priority Document No :61/334734 (32) Priority Date :14/05/2010

(33) Name of priority

:U.S.A. country

(86) International

:PCT/US2011/036572 Application No :16/05/2011 Filing Date

(87) International

**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)OSI PHARMACEUTICALS LLC

Address of Applicant: 1 Bioscience Park Drive Farmingdale

NY 11735 U.S.A.

(72)Name of Inventor:

1)MULVIHILL Mark J.

2)STEINIG Arno G.

3)CREW Andrew Philip

4)JIN Meizhong

5)KLEINBERG Andrew

6)LI An Hu

7)WANG Jing

## (57) Abstract:

Compounds of Formula I as shown below and defined herein: (I) pharmaceutically acceptable salts thereof synthesis intermediates formulations and methods of disease treatment therewith including treatment of cancers such as tumors driven at least in part by at least one of RON MET or ALK. This Abstract is not limiting of the invention.

No. of Pages: 175 No. of Claims: 30

(21) Application No.9449/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :06/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: MECHANICAL SWITCH CONTACT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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 2010 015 051.7 :15/04/2010 :Germany :PCT/EP2011/000854 :23/02/2011 :WO 2011/128012	(71)Name of Applicant:  1)MASCHINENFABRIK REINHAUSEN GMBH Address of Applicant: Falkensteinstrae 8 93059 Regensburg Germany (72)Name of Inventor: 1)H-PFL Klaus 2)WREDE Silke
` '	:WO 2011/128012 :NA :NA	2)WREDE SIIKE
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The invention relates to a mechanical switch contact (10) for releasing disconnecting or switching over in particular for an on load tap changer of a step transformer comprising at least two contact fingers or contact finger blocks (12 14) which can each be pivoted between two end positions and which are connected to each other in an electrically conductive manner and which are each operatively connected to a rotatable switching shaft (18) by means of multi arm joints (16) said switching shaft having all around guide slots (24) for actuating the multi arm joints (16) and for thereby deflecting the contact fingers or contact finger blocks (12 14).

No. of Pages: 15 No. of Claims: 9

(21) Application No.9020/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :19/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: NON CRYSTALLINE OXIDIZED GLUTATHIONE AND PRODUCTION METHOD THEREFOR

(51) International classification	:C07K5/037,C07K1/14	(71)Name of Applicant:
(31) Priority Document No	:2010097530	1)KYOWA HAKKO BIO CO. LTD.
(32) Priority Date	:21/04/2010	Address of Applicant : 1 6 1 Ohtemachi Chiyoda ku Tokyo
(33) Name of priority country	:Japan	1008185 Japan
(86) International Application No	:PCT/JP2011/059777	(72)Name of Inventor:
Filing Date	:21/04/2011	1)KIMURA Ken
(87) International Publication No	:WO 2011/132725	2)FUKUMOTO Kenta
(61) Patent of Addition to Application	:NA	3)TANAKA Hiroshi
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract		

## (57) Abstract:

A non-crystalline amorphism of oxidized glutathione is produced by drying a crystal of oxidized glutathione hexahydrate at a temperature of 40 to 90°C.

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

(21) Application No.9463/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :07/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : POLYACRYLATE (SALT) POLYACRYLATE (SALT) WATER ABSORBENT RESIN AND MANUFACTURING METHOD FOR SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C08F20/06,G01N27/62 :2010-101537 :26/04/2010 :Japan :PCT/JP2011/060195 :26/04/2011 :WO 2011/136238 A1 :NA :NA	(71)Name of Applicant:  1)NIPPON SHOKUBAI CO. LTD.  Address of Applicant: 1 1 Koraibashi 4 chome Chuo ku Osaka shi Osaka 5410043 Japan (72)Name of Inventor:  1)MATSUMOTO Satoshi 2)MIURA Yuki 3)ISHIZAKI Kunihiko 4)SAKAMOTO Shigeru
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#### (57) Abstract:

Disclosed are a polyacrylate (salt) and a polyacrylate (salt) water absorbent resin containing a tracer which can be verified back to the manufacturing process of the water absorbent resin when dealing with various problems with the water absorbent resin which can occur from the manufacturing process of the water resistant resin during the use thereof by a consumer up until the disposal thereof. The disclosed polyacrylate (salt) and the polyacrylate (salt) water absorbent resin have a carbon stable isotope ratio (dC) of at least 20° when measured by accelerator mass spectrometry.

No. of Pages: 85 No. of Claims: 26

(21) Application No.9510/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD FOR DETECTING GAS AND A GAS DETECTOR THEREFOR

(51) International classification	:G01N29/024,G01N29/32,G01N29/40	(71)Name of Applicant: 1)G&M NORDEN AB
(31) Priority Document No	:NA	Address of Applicant :Mamrevgen 28 S 163 46 Spnga Sweden
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)MECEA Vasile
(86) International Application No Filing Date	:PCT/SE2010/000097 :15/04/2010	
(87) International Publication No	:WO 2011/129723	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

It is presented a method for detecting a gas (G). Acoustic waves (W) are generated and transmitted via a wave generating and sensing means (2) towards a reflecting wall (3) and thereafter reflected acoustic waves (W) are detected by the wave generating and sensing means (2) wherein a presence of the gas (G) is detected by determining a change in an output signal of the wave generating and sensing means (2). A gas detector (1) is also presented.

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

(21) Application No.9511/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: LUBRICATING OIL COMPOSITION FOR DIESEL ENGINES

(51) International :C10M141/10,C10N30/04,C10N30/06 classification

(31) Priority Document No :2011104510

(32) Priority Date :09/05/2010

(33) Name of priority :Japan

country

(86) International :PCT/EP2011/057585 Application No

:11/05/2011 Filing Date

(87) International

:WO 2011/141495 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)SHELL INTERNATIONALE RESEARCH

MAATSCHAPPIJ B.V.

Address of Applicant: Carel van Bylandtlaan 30 NL 2596 HR

The Hague Netherlands (72)Name of Inventor: 1)HANYUDA Kiyoshi

2)WAKIZONO Tetsuo

(57) Abstract:

Lubricating oil composition for use in diesel engines which comprises in the base oil not more than 0.3% by mass of sulphated ash from 0.01 to 0.2% by mass of nitrogen in succinimides from 0.05 to 0.12% by mass of zinc in zinc dithiophosphates from 0.02 to 0.3% by mass of nitrogen in amine based anti oxidants and from 0.01 to 0.08% by mass of boron which further has a total value of [(zinc amount in zinc dithiophosphates) x (nitrogen amount in succinimides)] and [(zinc amount in zinc dithiophosphates) x (nitrogen amount in amine based anti oxidants) ] as regards the aforementioned of from 0.015 to 0.06 and which does not contain salicylate phenate or sulphonate metallic detergents. The intention is to obtain a lubricating oil composition for use in diesel engines which does not contain a metallic detergent yet maintains excellent engine (piston) detergency while preventing DPF clogging and which reduces valve train wear.

No. of Pages: 30 No. of Claims: 4

(21) Application No.9515/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: A LAMINATING ROLLER A METHOD FOR PROVIDING A PACKAGING LAMINATE AND A PACKAGING LAMINATE

(51) International :B32B38/04,B32B37/00,D21G1/00 classification

(31) Priority Document No :10003820

(32) Priority Date :15/04/2010 (33) Name of priority country :Sweden

(86) International Application :PCT/SE2011/050451

No :13/04/2011 Filing Date

(87) International Publication :WO 2011/129758

(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)TETRA LAVAL HOLDINGS & FINANCE S.A.

Address of Applicant : Av. Gnral Guisan 70 CH 1009 Pully

Switzerland

(72)Name of Inventor:

1)POSTOACA Ion 2)PERSSON ...ke 3)KEITER Sven

4)UVN,,S Krister

5)HESSMARK Andreas

6)JUST Magnus

#### (57) Abstract:

A laminating roller (10 28 100) for laminating a sheet of a packaging laminate (23 25 31) is provided said roller comprising at least one groove (130) extending along the periphery of said roller and forming a border between two circumferential portions wherein said each of said two circumferential portions are extending continuously around the surface area of said roller. Further a method for providing a packaging laminate as well as such packaging laminate is presented.

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

(21) Application No.9518/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :08/11/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD OF REINFORCING IRREGULAR STRUCTURES

(51) International :C04B41/45,C04B38/00,C04B40/00

classification

(31) Priority Document No :61/333829 (32) Priority Date :12/05/2010 (33) Name of priority country: U.S.A.

(86) International Application :PCT/US2011/035870

No :10/05/2011 Filing Date

(87) International Publication: WO 2011/143179

(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)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)LIVINGSTONE David E.

2) HASTINGS David J.

3) RAYNER Terrence J.

#### (57) Abstract:

The present disclosure provides a method for reinforcing irregular rock or irregular concrete surfaces such as rock structures in mines as well as other rock and concrete structures. The method includes applying a curable foam composition to at least a portion of a surface at least partially curing the curable foam composition to form a foam layer adhered to the surface applying a curable reinforcing composition onto at least a portion of the foam layer and at least partially curing the curable reinforcing composition to form a reinforcing layer wherein at least a portion of the reinforcing layer is adhered to the foam layer.

No. of Pages: 37 No. of Claims: 18

(21) Application No.3969/CHENP/2009 A

(19) INDIA

(22) Date of filing of Application :07/07/2009

(43) Publication Date: 11/04/2014

# (54) Title of the invention: DISPLAY HOOK ASSEMBLY HAVING A SECURE FREE END

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:E05B 73/00 :60/879,899 :11/01/2007 :U.S.A. :PCT/US2008/00139 :04/01/2008 :WO 2008/088681	(71)Name of Applicant:  1)IN VUE SECURITY PRODUCTS INC. Address of Applicant:15015 LANCASTER HIGHWAY, CHARLOTTE, NC 28277-2010 U.S.A. (72)Name of Inventor: 1)NAGELSKI, KEITH, C.,
<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>	A1 :NA :NA :NA :NA	

#### (57) Abstract:

A securable system for displaying items of merchandise on a display board. The display system includes a lockable end assembly that engages the free end of at least one rod of a merchandise display therein. The end assembly is slidable along the rod between an unlocked position where items of merchandise may be removed therefrom and a locked position where items of merchandise cannot be removed therefrom. The end assembly is lockingly engaged with the rod by a locking mechanism that is linearly moveable within an interior chamber of the end assembly. The end assembly is provided with a specially shaped recess in its outer wall which is positioned perpendicular to the linear motion of the locking mechanism. A complementary dipole magnet key is inserted into the recess to unlock the locking mechanism.

No. of Pages: 28 No. of Claims: 20

(21) Application No.4410/CHE/2012 A

(19) INDIA

(22) Date of filing of Application :22/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METER DEVICE OF SADDLE-RIDE TYPE VEHICLE

(51) International classification	:G01P	(71)Name of Applicant:
(31) Priority Document No	:2011-	1)HONDA MOTOR CO., LTD
(31) Thorny Document 110	239598	Address of Applicant :1-1, MINAMI-AOYAMA 2-CHOME,
(32) Priority Date	:31/10/2011	MINATO-KU, TOKYO, 107-8556 Japan
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)ANDO, MASAHARU
Filing Date	:NA	2)SOETA, RYUHEI
(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:

[Object] To provide a meter device that enables making the projection of a riders face on a surface of a lens inconspicuous. [Solution] The meter device is provided with a meter lens 53 that integrally covers a tachometer 81 which is an analog indicator and a speedometer 83 which is a luminous digital display. The tachometer 81 is arranged in the center CL in a direction of vehicle width of a vehicle. An apex 53P of the lens 53 is biased on either side from the center in the direction of vehicle width of the tachometer 81. Contours of the tachometer 81 and the adjacent speedometer 83 are circular, and the tachometer and the speedometer which are respectively adjacent are partially overlapped. An upper case 50b includes rims 81F, 83F that form the respective contours of the tachometer 81 and the speedometer 83 and a circumferential part SF extended from each rim to the side of the periphery. The apex 53P of the lens 53 is located between the tachometer 81 and the speedometer 83.

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

(21) Application No.9585/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 12/11/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: PLACEMENT OF USER INFORMATION IN A GAME 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 Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:04/02/2011 :WO 2011/142857 on :NA :NA	(71)Name of Applicant:  1)SONY COMPUTER ENTERTAINMENT AMERICA LLC  Address of Applicant:919 East Hillsdale Blvd. 2nd Floor Foster City California 94404 U.S.A. (72)Name of Inventor:  1)WEISING George
(62) Divisional to Application Number Filing Date	oer :NA :NA	

# (57) Abstract:

The generation association and display of in game tags are disclosed. Such tags introduce an additional dimension of community participation to both single and multiplayer games. Through such tags players are empowered to communicate through filtered text messages and images as well as audio clips that other game players including top rated players have generated and placed at particular coordinates and/or in context of particular events within the game space. The presently described in game tags and associated user generated content further allow for label based searches with respect to game play.

No. of Pages: 26 No. of Claims: 12

(21) Application No.9755/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:19/11/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: ANTIBODY PREPARATIONS

(51) International :A61K39/395,A61K9/08,A61L2/10

:21/04/2011

:WO 2011/131787

classification

(31) Priority Document No :1006753.6 (32) Priority Date :22/04/2010

(33) Name of priority country: U.K.

(86) International Application :PCT/EP2011/056487

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

(71)Name of Applicant:

1)BIOTEST AG

Address of Applicant : Landsteinerstrasse 5 D 63303 Dreieich

Germany

(72)Name of Inventor: 1)M-LLER Wolfgang 2) RUDNICK Dieter 3)MANEG Oliver

4)RODEMER Michael 5) **GERMER Matthias** 

6)BRAUN Velt

## (57) Abstract:

Provided is an antibody preparation suitable for intravenous administration in humans comprising IgG IgA and at least 5% IgM antibodies by weight of the total amount of antibodies wherein the preparation is prepared from human plasma wherein the antibody preparation has specific complement activating activity and wherein in an in vitro assay with human serum suitable to determine the ability of the antibody preparation to activate complement unspecifically the antibody preparation generates substantially no C5a and/or substantially no C3a. Further provided are medical uses of the antibody preparation.

No. of Pages: 52 No. of Claims: 31

(21) Application No.9757/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application: 19/11/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: RECHARGE DEVICE AND METHOD FOR NH3 CARTRIDGE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> </ul>	:B65D81/26 :61/326,512 :21/04/2010 :U.S.A. :PCT/US2011/033400 :21/04/2011 :WO 2011/133752 A1 :NA	(71)Name of Applicant:  1)INTERNATIONAL ENGINE INTELLECTUAL PROPERTY COMPANY LLC Address of Applicant: 4201 Winfield Road Warrenville Illinois 60555 U.S.A. (72)Name of Inventor: 1)BOYD George D. 2)MELLA Ramon A. 3)ODOM Brent Donald
Number		· · · · · · · · · · · · · · · · · · ·
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A device and method relating to the storage and delivery of ammonia for use in an after treatment device for NO reduction in an exhaust stream is disclosed. The device includes a cartridge having an ammonia adsorbing and desorbing material contained therein and a recharging device for use in recharging the material with ammonia after the ammonia is released to a pre determined level. The method includes providing a sealable cartridge having an interior providing a predetermined amount of an ammonia containing material within the interior of the container positioning a recharging device within the interior of the sealable cartridge releasing ammonia gas from the ammonia containing material into an after treatment device for use in the exhaust system of a vehicle for the reduction of NO introducing liquid ammonia into the recharging device and recharging the ammoniacontaining material for re use in the exhaust system.

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

(21) Application No.9759/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:19/11/2012 (43) Publication Date: 11/04/2014

# (54) Title of the invention: CRYSTALLINE HYDROCHLORIDE SALT OF DARUNAVIR

(51) International classification	:A01N43/08,A61K31/34	(71)Name of Applicant :
(31) Priority Document No	:NA	1)HETERO RESEARCH FOUNDATION
(32) Priority Date	:NA	Address of Applicant :Plot No. B 80 & 81 A.P.I.E. Balangar
(33) Name of priority country	:NA	Hyderabad 500 018 Andhra Pradesh India
(86) International Application No	:PCT/IN2010/000339	(72)Name of Inventor:
Filing Date	:20/05/2010	1)PARTHASARADHI REDDY Bandi
(87) International Publication No	:WO 2011/145099	2)RATHNAKAR REDDY Kura
(61) Patent of Addition to Application	:NA	3)MURALIDHARA REDDY Dasari
Number	:NA	4)RAJI REDDY Rapolu
Filing Date		5)VAMSI KRISHNA Bandi
(62) Divisional to Application Number	:NA	6)SUBASH CHANDER REDDY Kesireddy
Filing Date	:NA	

# (57) Abstract:

The present invention provides novel crystalline hydrochloride salt of darunavir process for its preparation and to pharmaceutical composition comprising it. The present invention also provides novel process for preparation of darunavir amorphous form and pharmaceutical composition comprising it.

No. of Pages: 17 No. of Claims: 20

(21) Application No.9395/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012 (43) Publication Date : 11/04/2014

## (54) Title of the invention: FILM FORMING RADIATION CROSSLINKING ADHESIVE

(51) International :C08G18/67,C08G18/75,C09J175/16

classification .C00018/07,C00018/75,C

(31) Priority Document No :10 2010 028 870.5 (32) Priority Date :11/05/2010

(33) Name of priority

country :Germany

(86) International

Application No :PCT/EP2011/055594

Filing Date :11/04/2011

(87) International

Publication No :WO 2011/141245

(61) Patent of Addition to Application Number :NA

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

(71)Name of Applicant:

1)HENKEL AG & CO. KGAA

Address of Applicant :Henkelstr. 67 40589 D1/4sseldorf

Germany

(72)Name of Inventor: 1)LACK Melanie 2)M-LLER Thomas

3)KRLEJOVA Andrea

#### (57) Abstract:

Filing Date

The invention relates hot melt adhesives that can be crosslinked by radiation and that contain relative to the hot melt adhesive more than 50% polyurethane polymers comprising at least one irradiation polymerizable reactive group produced by reacting a) a reactive PU prepolymer having a block structure with two or three NCO groups per molecule wherein a block having the diisocyanate polyetherpolyol disocyanate structure and at least one block having the (diol diisocyanate)structure are present where diol = alkylene diol having a molecular weight of less than 200 g/mol polyether polyol = polyether diol or polyether triol having a molecular weight of more than 2000 g/mol and n = 4 to 50; with b) 20 to 95 mol% of at least one low molecular weight compound (B) containing a radically polymerizable double bond and a group which reacts with a NCO group and c) 0 to 50 mol% of at least one compound (C) which comprises at least one group that is reactive with respect to NCO groups but comprises no group that polymerizes under radical conditions having a molecular weight ranging from 32 to 5000 g/mol and d) 5 to 50 mol% of at least one radical photoinitiator (D) which comprises a primary or secondary OH group where the % information refers to the NCO groups of the PU prepolymer and the sum of B C D should be 100 mol% and optionally additional polymers and/or auxiliary substances. The invention also relates to the use of said adhesives for gluing together nonwoven fabric substrates or for coating labels strips films and band aids with pressure sensitive adhesive coatings.

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

(21) Application No.9397/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :05/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: SERUM ALBUMIN BINDING MOLECULES

(51) International classification	:C07K14/78,C07K14/435,A61K38/39	(71)Name of Applicant:  1)BRISTOL MYERS SQUIBB COMPANY  Address of Applicant Part Office Part 2006 Parts 2006
(31) Priority Document No		Address of Applicant :Post Office Box 4000 Route 206 &
(32) Priority Date	:03/05/2010	Province Line Road Princeton NJ 08543 4000 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor : 1)GOSSELIN Michael L.
(86) International Application No Filing Date	:PCT/US2011/034998 :03/05/2011	2)FABRIZIO David 3)SWAIN Joanna F. 4)MITCHELL Tracy S.
(87) International Publication No	:WO 2011/140086	5)CAMPHAUSEN Ray 6)CLOAD Sharon T.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	7)FURFINE Eric 8)MORIN Paul E. 9)MUKHERJEE Ranjan
(62) Divisional to Application Number Filing Date	:NA :NA	10)TAYLOR Simeon I.

# (57) Abstract:

The present invention relates to an antibody like protein based on the tenth fibronectin type III domain (Fn3) that binds to serum albumin. The invention further relates to fusion molecules comprising a serum albumin binding Fn3 joined to a heterologous protein for use in diagnostic and therapeutic applications.

No. of Pages: 520 No. of Claims: 65

(21) Application No.9274/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :31/10/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: EVENT BASED SOCIAL NETWORKING APPLICATION

(51) International (71)Name of Applicant: :H04L12/18,H04M3/56,H04N21/4788 classification 1)ALCATEL LUCENT (31) Priority Document No :61/330648 Address of Applicant :3 avenue Octave Grard F 75007 Paris (32) Priority Date :03/05/2010 France (33) Name of priority (72) Name of Inventor: :U.S.A. country 1)NEWMAN Hubert (86) International 2) GARNIER Quentin :PCT/IB2011/001237 Application No :02/05/2011 Filing Date (87) International :WO 2011/138672 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 method and apparatus are provided for event based sharing of audio/ video in real time along with chat text by anyone capturing; or viewing the shared Video. Ait IMS based server acts as a hub for the shared audio/ video and: chat text which is then distributed to all participants. The chat text is conveyed in the data stream. associated with the ISO transport stream carrying the audio and video streams. The audio and video streams and the chat text are recorded using a Network Digital Video Recorder and can be viewed later by a user. During playback of a recorded event the user can also switch between different recordings of the same event if available as the IMS server maintains synchronization information for different recorded streams of the event. The method and apparatus provide improved social networking.

No. of Pages: 33 No. of Claims: 10

(21) Application No.9662/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012 (43) Publication Date : 11/04/2014

## (54) Title of the invention: SYSTEMS AND METHODS FOR FORECASTING SOLAR 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</li> <li>Filing Date</li> </ul>	:61/332683 :07/05/2010 :U.S.A.	(71)Name of Applicant:  1)ADVANCED ENERGY INDUSTRIES INC. Address of Applicant:1625 Sharp Point Drive Fort Collins Colorado 80525 U.S.A. (72)Name of Inventor: 1)HUMMEL Steven G. 2)ROPP Michael
* *		
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A solar power forecasting system can provide forecasts of solar power output by photovoltaic plants over multiple time frames. A first time frame may be several hours from the time of the forecast which can allow utility personnel sufficient time to make decisions to counteract a forecasted shortfall in solar power output. For example the utility personnel can decide to increase power production and/or to purchase additional power to make up for any forecasted shortfall in solar power output. A second time frame can be several minutes from the time of the forecast which can allow for operations to mitigate effects of a forecasted shortfall in solar power output. Such mitigation operations can include directing an energy management system to shed noncritical loads and/or ramping down the power produced by the photovoltaic plants at a rate that is acceptable to the utility to which the photovoltaic plants provide power.

No. of Pages: 48 No. of Claims: 9

(21) Application No.9663/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :15/11/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHODS FOR PROVIDING PROPPANT SLUGS IN FRACTURING TREATMENTS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:E21B43/267 :NA :NA :NA :NA :PCT/RU2010/000246 :17/05/2010 :WO 2011/145965 :NA :NA :NA	(71)Name of Applicant:  1)PRAD RESEARCH AND DEVELOPMENT LIMITED Address of Applicant: Craigmuir Chambers P.O. Box 71 Road Town Tortola 1110 VIRGIN ISLANDS (72)Name of Inventor: 1)MEDVEDEV Anatoly Vladimirovich 2)MEDVEDEV Oleg Olegovich 3)MIKHAYLOV Alexander Vyacheslavovich 4)FREDD Christopher 5)BUTULA Kreso Kurt 6)LASSEK John 7)BROWN Ernie 8)LYAPUNOV Konstantin Mikhailovich
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## (57) Abstract:

A proppant pack may be formed in a fracture that extends from a wellbore formed in a subterranean formation is accompl ished through di fferent methods. The methods involve prov iding mu ltiple spaced apart proppant slugs with in a hydrau l ic fracturing fluid that is introduced into the wellbore at a pressure above the fracturing pressure of the formation.

No. of Pages: 35 No. of Claims: 24

(21) Application No.9593/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application :12/11/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD AND APPARATUS FOR IDENTIFYING APPLICATION PROTOCOL

(51) International classification	:H04L29/06,H04L12/24	(71)Name of Applicant :
(31) Priority Document No	:NA	1)ALCATEL LUCENT
(32) Priority Date	:NA	Address of Applicant :54 Rue La Botie F 75008 Paris France
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:PCT/CN2010/072923	1)LIU Fang
Filing Date	:19/05/2010	
(87) International Publication No	:WO 2011/143817 A1	
(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 involves a method and apparatus for identifying an application protocol. In one embodiment the method for identifying the application protocol includes the following steps: S11. classifying the packets to be detected as separate communication flows; S12. searching the keywords in the payload of said communication flows based on the keyword database of the identifiable application protocols and determining the keyword weight vectors of said communication flows wherein the weight of one keyword relates to the location of said keyword in the payload of one communication flow; S13. determining the similarity degree between said keyword weight vectors of said communication flows and the characteristic keyword weight vectors of the identifiable application protocols; S14. if the predefined condition is met determining the application protocols corresponding to the characteristic keyword weight vectors which have the maximum similarity degree with the keyword weight vectors of said communication flows as the application protocols of said communication flows. Using said method and apparatus in the present invention the accuracy of protocol identification can be improved without significant performance cost compared with the prior art.

No. of Pages: 27 No. of Claims: 15

(21) Application No.9738/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:19/11/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: PROCESS FOR PREPARING AN IMMUNOGLOBULIN COMPOSITION

(51) International classification: A61L2/10,C07K16/06,A61K9/08 (71) Name of Applicant:

:NA

:WO 2011/131786

(31) Priority Document No :1006753.6

:22/04/2010 (32) Priority Date

(33) Name of priority country :U.K.

(86) International Application :PCT/EP2011/056486

No

:21/04/2011 Filing Date

(87) International Publication

(61) Patent of Addition to

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

(62) Divisional to Application :NA Number

Filing Date

1)BIOTEST AG

Address of Applicant : Landsteinerstrasse 5 63303 Dreieich

Germany

(72)Name of Inventor: 1)M-LLER Wolfgang 2) RUDNICK Dieter 3)MANEG Oliver

4)RODEMER Michael

5)DICHTELMUELLER Herbert

6)FLECHSIG Eckhard

#### (57) Abstract:

Provided is a process for the preparation of an immunoglobulin composition from a plasma comprising immunoglobulins and antibody preparations prepared utilizing the process.

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

(21) Application No.9739/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:19/11/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: GLASSWARE MOLD COOLING AIR SUPPLY

<ul> <li>(51) International classification</li> <li>(31) 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>	:12/764572 :21/04/2010 :U.S.A.	<ul> <li>(71)Name of Applicant:</li> <li>1)OWENS BROCKWAY GLASS CONTAINER INC.</li> <li>Address of Applicant: One Michael Owens Way Perrysburg</li> <li>OH 43551 U.S.A.</li> <li>(72)Name of Inventor:</li> <li>1)NEWSOM Daniel L.</li> </ul>
(87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:WO 2011/133781 :NA :NA :NA :NA	2)GARNES Richard H.

# (57) Abstract:

A glassware forming machine includes a machine section box (12) having a cooling air outlet opening (20) at least one mold carrying arm (22 or 24) disposed above the section box and movable between mold open and mold closed positions and means for delivering cooling air from the outlet opening to the mold arms. The machine in accordance with this aspect of the disclosure is characterized in that the means for delivering cooling air includes a valve plate (40) mounted on the section box to pivot around an axis and having a valve plate opening (44) that registers with the outlet opening in the section box. A pressure plate (38) is mounted on the mold carrying arm overlying the valve plate and has a pressure plate opening (36) that registers with the valve plate opening. A coupling (46 48) between the valve plate and the pressure plate pivots the valve plate on the section box as a function of motion of the mold carrying arm between the mold open and mold closed positions such that cooling air is continuously fed to the mold carrying arm through the valve plate and the pressure plate. The coupling (46 48) preferably is a lost motion coupling such that motion of the mold arm is not imparted to the valve plate during initial motion in either the opening or the closing direction.

No. of Pages: 17 No. of Claims: 9

(21) Application No.9740/CHENP/2012 A

(19) INDIA

(22) Date of filing of Application:19/11/2012 (43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD FOR PREPARING ARNA AND METHOD FOR ASSAYING GENE EXPRESSION

(51) International :C12N15/00,C12N15/09,C12Q1/68 classification

(31) Priority Document No :2010-098639

(32) Priority Date :22/04/2010 (33) Name of priority country: Japan

(86) International Application :PCT/JP2011/059778

No :21/04/2011 Filing Date

(87) International Publication

:WO 2011/132726 A1

(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)TORAY INDUSTRIES INC.

Address of Applicant :1 1 Nihonbashi Muromachi 2 chome

Chuo ku Tokyo 1038666 Japan (72)Name of Inventor:

1)KURODA Toshihiko 2)NOMURA Osamu 3)NOBUMASA Hitoshi

The present invention provides a method for preparing aRNA to be used for gene expression analysis from an RNA sample extracted from a tissue or cell(s) fixed with a fixative, wherein, in an amplification step of the RNA sample by reverse transcription and in vitro transcription, the ratio of aminoallyl uridine 5-triphosphate (AA-UTP) in a nucleotide reagent used in the in vitro transcription is not less than 5 mol% and less than 25 mol% with respect to the total of uridine 5-triphosphate (UTP) and AA-UTP.

No. of Pages: 53 No. of Claims: 5

(21) Application No.1085/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/04/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: ELECTRICAL SWITCH CABINET

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:10 2010 050 665.6 :09/11/2010 :Germany	(71)Name of Applicant:  1)ABB AG Address of Applicant: Kallstadter Str. 1, 68309 Mannheim, GERMANY (72)Name of Inventor: 1)BEIER, Stefan
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	:NA :NA :NA	

# (57) Abstract:

The invention relates to an electrical switch cabinet for use in the low voltage range with voltages up to 500 V and electric currents up to 63 A wherein said switch cabinet is constructed as a wall hung cabinet for surface or recessed mounting or as a standing cabinet from a rear wall and side wall parts (12 14) connected thereto and also optionally at least one movable front door and is provided with internal fittings for the connection of switching devices arranged in the switch cabinet. The side wall parts (12 14) and the rear wall are modularly configured and rigidly connected to one another and the at least one movable front door which is optionally provided is guided in grooves or by means of straps. The invention further relates to a method for producing the relevant electrical switch cabinet.

No. of Pages: 17 No. of Claims: 15

(21) Application No.1086/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :20/09/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: SADDLE-STRADDLING TYPE 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 Number Filing Date</li> </ul>	:Japan :NA :NA : NA :NA :NA	(71)Name of Applicant:  1)YAMAHA HATSUDOKI KABUSHIKI KAISHA Address of Applicant:2500 SHINGAI, IWATA-SHI, SHIZUOKA-KEN, 438-8501, JAPAN (72)Name of Inventor: 1)KUNIYUKI TAKAHASHI 2)MASAYUKI TSUJI
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

In a motorcycle, a seat is supported by a pair of right and left sub-frames. The pair of side covers covers at least part of a pair of upper frame pipes from outside. The pair of side covers includes a pair of grip covers and a pair of front covers. The pair of side covers is fixed to the pair of upper frame pipes, respectively. The pair of front covers is respectively fixed to the pair of grip covers to extend forward from the front ends of the pair of grip covers. Each grip cover has a projection arranged outside the seat in the width direction and has a lower recess at the lower surface of the projection.

No. of Pages: 34 No. of Claims: 13

(21) Application No.1086/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/04/2013 (43) Publication Date : 11/04/2014

## (54) Title of the invention: ETHYLENE OLIGOMERIZATION

(51) International classification (31) Priority Document No	:C07C2/36 :2718455	(71)Name of Applicant: 1)NOVA CHEMICALS (INTERNATIONAL) S.A.
(32) Priority Date	:22/10/2010	Address of Applicant :Avenue de la Gare 12, CH-1700
(33) Name of priority country	:Canada	Fribourg, SWITZERLAND
(86) International Application No	:PCT/CA2011/001086	(72)Name of Inventor:
Filing Date	:28/09/2011	1)CARTER, Charles Ashton Garret
(87) International Publication No	:WO 2012/051698	2)CHISHOLM, P., Scott
(61) Patent of Addition to Application	:NA	3)BROWN, Stephen John
Number	:NA	4)JABER, Isam
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The ohgomenzation of ethylene using a chromium catah st having a bridged diphosphine ligand can produce a selective product distribution to predominanth hexene or predominanth octene/hexene when activated with aluminoxane. When the aluminoxane is provided in a non aromatic solvent the oligomerization reaction also produces pohmer byproducts. The present invention mitigates this problem by the in situ preparation of the aluminoxane activator by partial hydrolysis with water of dilute (0.5 to 3 weight %) trimethylaluminum in the non aromatic solvent.

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

(21) Application No.1145/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :03/10/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: COOLED FAN MOTOR AND METHOD OF OPERATION

(51) International classification	:H02K9/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)DAYTON-PHOENIX GROUP, INC.
(32) Priority Date	:NA	Address of Applicant :1619 KUNTZ ROAD DAYTON, OHIO
(33) Name of priority country	:NA	45404-1240 U.S.A.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)ZAHORA, JOSEPH A.
(87) International Publication No	: NA	2)WELDY, HARLAY J.
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		'

# (57) Abstract:

A cooled fan motor may include an elongate housing adapted to be attached to a tankhead, the housing having at least one longitudinally extending groove, a shaft rotatably attached to the housing, a hub attached to the shaft, the hub having at least one opening therethrough and shaped to form a gap with a tankhead attached to the housing, a rotor attached to the hub, and a stator mounted on the housing such that the groove in the housing forms an air passage between the housing and the stator connecting the gap and the opening. Air external to the motor is able to enter through the gap between the hub and tankhead, flow along the air passage formed by the groove in the housing and exit the motor through the opening in the hub, thereby cooling an interior of the motor. In one aspect, the hub includes radially extending blades such that when the stator is energized, rotation of the hub and blades causes air to enter through the gap, flow along the air passage and exit the motor through the opening in the hub. The groove in the housing may be adjacent bearings carried in the housing for supporting the shaft, such that air movement during operation of the motor may cool the bearings and bearing lubricant and thereby prolong bearing life.

No. of Pages: 17 No. of Claims: 27

(21) Application No.1041/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :06/09/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: A SADDLE-STRADDLING TYPE MOTOR VEHICLE

(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 : N	(71)Name of Applicant:  1)YAMAHA HATSUDOKI KABUSHIKI KAISHA Address of Applicant:2500, SHINGAI, IWATA-SHI, SHIZUOKA-KEN, 438-8501, JAPAN (72)Name of Inventor: 1)KUNIYUKI TAKAHASHI  NA
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#### (57) Abstract:

A pair of right and left main frames extends rearward of a vehicle from a head pipe. A fuel tank is arranged on the pair of main frames. A tank cover is provided to overlap with the fuel tank when seen in plan view. A pair of right and left side covers is provided to overlap with the pair of main frames when seen in side view. The tank cover has a pair of right and left outer side portions positioned outside of outer surfaces of the pair of main frames when seen in plan view, and side cover supporters, provided at the pair of outer side portions, that respectively support the pair of side covers. The pair of side covers is arranged to cover at least part of the pair of outer side portions from outside in a vehicle width direction.

No. of Pages: 38 No. of Claims: 13

(21) Application No.1154/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :09/10/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: POWER SPRING BICYCLE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> <li>Filing Date</li> </ul>	:B62M1/00 :NA :NA :NA :NA :NA	(71)Name of Applicant:  1)SRI NANDU PRASAD YADAV Address of Applicant:BHAGAWANPUR, PO-PAKARI BRAMA,, DIST:NAWADA, BIHAR, INDIA.  (72)Name of Inventor:  1)SRI NANDU PRASAD YADAV
<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 : NA	I)SKI NANDU I RASAD TADA V

## (57) Abstract:

The present invention relates to an automatic power spring bi cycle. More particularly, the present invention relates to an automatic power spring bi cycle which runs with spring power without any force of any driver. Furthermore, this invention also relates to an automatic power spring bi cycle in which two spring which make the power. Further this invention also relates to a power spring bi cycle in which two free wills helps to move 62-42 premiums.

No. of Pages: 15 No. of Claims: 6

(21) Application No.1154/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :08/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : LIGHTING DEVICE HAVING UNINTERRUPTIBLE ILLUMINATION AND EXTERNAL POWER SUPPLY FUNCTION

(51) International classification	:H02J 9/00	(71)Name of Applicant:
(31) Priority Document No	:13/647,563	1)TAI-HER YANG
(32) Priority Date	:09/10/2012	Address of Applicant :NO.59, CHUNG HSING 8 ST., SI-HU
(33) Name of priority country	:U.S.A.	TOWN, DZAN-HWA, TAIWAN, R.O.C.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)TAI-HER YANG
(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 lighting device having uninterruptible illumination and external power supply function, in which the lighting device is combined with an energy storing/discharging device thereby providing an uninterruptible illumination function and supplying uninterruptable AC or DC power to the exterior during power blackout, a controller assembly is integrated with an operation device, an external power supply interface device, an electric-driven lighting device, a public power and/or solar power and/or wind power generation source, and an energy storing/discharging device, thereby capable of providing the uninterruptible illumination function and supplying uninterruptable AC or DC power to the exterior during power blackout.

No. of Pages: 25 No. of Claims: 8

(21) Application No.1155/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :09/10/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention: KNOCKDOWN CONTAINER

(51) International classification	·R65D19/18	(71)Name of Applicant :
(31) Priority Document No	:NA	1)RABIRUN VINIMAY PVT. LTD.
(32) Priority Date	:NA	Address of Applicant :of Plot F3, Sector F, Vidyasagar
(33) Name of priority country	:NA	Industrial Park, (Kharagpur - WBIDC), VILL./Mouza-Japhala,
(86) International Application No	:NA	P.O Jakpur, P.S. Kharagpur (L), Dist Paschim Medinipur -
Filing Date	:NA	721 301 West Bengal, India.
(87) International Publication No	: NA	(72)Name of Inventor:
(61) Patent of Addition to Application Number	:NA	1)GAJANAN DHANANJAY VERNEKAR
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The present invention relates to a container (100) comprising; at least two adjoining panels (101, 102, 103, 104) configured to engage with each other to define an enclosure and a top cover (105) and a bottom cover (106) having a parallel planar, one of said adjoining panels provided with at least two opposing halves of two joints, configured to be received by corresponding opposing halves of the corresponding joints provided on an interfacing edge of the other said adjoining panel, forming a secure enclosure fixedly secured by means of a snap fit arrangement and configured to be received by said top cover (105) and said bottom cover (106).

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

(21) Application No.1155/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :08/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : PIPE MEMBER EQUIPPED WITH HEAT INSULATION CORE PIPELINE, AUXILIARY HEAT CONDUCTION STRUCTURE AND U-SHAPED ANNULARLY-DISTRIBUTED PIPELINE

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:F16L 39/00 :13/647,588	(71)Name of Applicant:  1)TAI-HER YANG Address of Applicant:NO.59, CHUNG HSING 8 ST., SI-HU
(32) Priority Date	:09/10/2012	TOWN, DZAN-HWA, TAIWAN, R.O.C.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:NA	1)TAI-HER YANG
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 a U-type pipeline capable of transferring thermal energy with each other in a radiate arrangement, wherein the piping segments of the U-type fluid piping inlet end and/or outlet end of the U-type piping capable of thermal energy transmission with each other in the radiate arrangement are directly made of thermal insulating materials, or a thermal insulating structure is installed between the inlet end and the outlet end; and the exterior of the thermal insulating device (400) is further installed with an auxiliary thermal conductive structure (110) made of thermal conductive material, thereby preventing the thermal insulating device (400) from generating thermal resistance in the columnar thermal conductive body (300).

No. of Pages: 72 No. of Claims: 9

(21) Application No.1030/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :11/04/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention : SYSTEMS AND METHODS FOR PROVIDING QUALITY OF SERVICE VIA A FLOW CONTROLLED TUNNEL

#### (57) Abstract:

The present invention is directed towards systems and methods for providing Quality of Service (QoS) via a flow controlled tunnel. Traffic from a plurality of applications may be directed into a single connection or flow controlled tunnel and QoS policies may be applied across the plurality of applications without configuration of individual link speeds enabling QoS scheduling to dynamically adjust traffic transmission and reception rates to ensure priority management of applications regardless of a final endpoint of the application communications. Accordingly traffic of different types including VPN HTTP Voice over IP (VoIP) remote desktop protocol traffic or other traffic may be easily balanced and prioritized. In many embodiments the tunnel may be transparent to applications such that without any application configuration application traffic may still be prioritized by QoS requirements.

No. of Pages: 120 No. of Claims: 20

(21) Application No.1087/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/04/2013 (43) Publication Date: 11/04/2014

### (54) Title of the invention: PORTABLE COMPUTER WITH TOUCH PAD

(51) International classification :G06F1/16,G06F3/041,G06F3/02 (71) Name of Applicant:

(31) Priority Document No :61/394,037 :18/10/2010 (32) Priority Date (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2011/047803

No :15/08/2011

Filing Date (87) International Publication No:WO 2012/054127

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

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)APPLE INC.

Address of Applicant: 1 Infinite Loop, Cupertino, California

95014 U.S.A.

(72)Name of Inventor:

1)DEGNER, Brett William

2) CASEBOLT, Matthew Phillip

3)BROCK, John M. 4) KESSLER, Patrick 5)OSBORN, Jay

#### (57) Abstract:

A portable computing device includes at least a base portion of a lightweight material that includes a wedge shaped top case coupled to a bottom case The portable computing device also includes a lid portion pivotally connected to the base portion by a hinge assembly. The lid portion has a display in communication with one or more components in the base portion via one or more electrical conductors. A touch pad situated on the base portion includes a glass layer bonded atop a cosmetic layer a sensor layer for detecting inputs via a top surface of the glass layer circuitry for processing signals and a connection interface for connecting the circuitry to a main logic board. The glass layer provides primary structural rigidity for the touch pad.

No. of Pages: 36 No. of Claims: 20

(21) Application No.1392/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/05/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: METHOD FOR LONG-NUMBER DIVISION OR MODULAR REDUCTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:16/11/2011 :WO 2012/065730 :NA :NA	(71)Name of Applicant:  1)GIESECKE & DEVRIENT GMBH  Address of Applicant: Prinzregentenstrasse 159, 81677  München GERMANY (72)Name of Inventor:  1)BOCKES, Markus  2)PULKUS, Jürgen
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A method in a portable data storage medium (10) for executing a cryptographical operation on security-related data comprises a step of determining a remainder (r) for dividend (a) modulo a divisor (b). In this case, the remainder (r) is determined iteratively by means of a division device (54) on the data storage medium (10). Each iteration involves the performance of a Montgomery multiplication by the divisor (b) as a modulus and additive logic combination of an output value from the Montgomery multiplication with a coefficient (a) which is derived from the dividend (a) and which is associated with the respective iteration. In this case, the Montgomery multiplication is performed by means of a multiplication device (35) on the data storage medium (10), preferably an appropriate coprocessor (35). The Montgomery multiplication in a subsequent iteration receives a result from a preceding iteration as an input value.

No. of Pages: 28 No. of Claims: 14

(21) Application No.1789/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/06/2013 (43) Publication Date : 11/04/2014

### (54) Title of the invention: COMPOUNDS USEFUL FOR TREATING AIDS

(51) International classification :A61K31/47,A61P31/18 (31) Priority Document No :10306417.6

(32) Priority Date :15/12/2010 (33) Name of priority country :EPO

(86) International Application No
Filing Date

Fig. (37) Name of priority country

FIGURE 13/12/2011

(87) International Publication No :WO 2012/080953

(61) Patent of Addition to Application
Number
:NA

Filing Date

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

(71)Name of Applicant:

1)SPLICOS

Address of Applicant :CAMPUS DU CNRS, 1919,ROUTE DE MENDE, F-34293 MONTPELLIER CEDEX 5, FRANCE

2) CENTRE NATIONAL DE LA RECHERCHE

SCIENTIFIQUE

3)INSTITUT CURIE

4)UNIVERSITE MONTPELLIER 2

(72)Name of Inventor:

1)TAZI,JAMAL

2)MAHUTEAU,FLORENCE

3)NAJMAN,ROMAIN

4)SCHERRER, DIDIER

5)CAMPOS, NO<LIE

6)GARCEL, AUDE

#### (57) Abstract:

The present invention relates to compound (I) for use as an agent for preventing, inhibiting or treating AIDS. The present invention further relates to compounds of formula (I) wherein X is CR0 or N; R0,R1,R2,R3,R4,R7 and R8 independently represent a hydrogen atom, a halogen atom or a group chosen among a (C1-C5)alkyl group, a (C3-C6)cycloalkyl group, a (C1-C5)fluoroalkyl group, a (C1-C5)alkoxy group, a (C1-C5)fluoroalkoxy group, a -CN group, a -COORa group, a -NO2 group, a -NRaRb group, a -NRa-SO2-NRaRb group, a -NRa-C(=0)-Ra group, a -NRa-C(=0) NRaRb group, a -SO2-NRaRb group, a -SO3H group, a -OH group, a -O-SO2-ORc group, a -O-P(=O)-(ORc)(ORd) group, a -O-CH2-COORc group and can further be a group chosen among: (IIa),(IIIa),R5 represents a hydrogen atom, a (CrC5)alkyl group or a (C3-C6)cycloalkyl group; R10 is a hydrogen atom or a chlorine atom, and R11 is a hydrogen atom or a (C1-C4)alkyl group or anyone of its pharmaceutically acceptable salts.

No. of Pages: 71 No. of Claims: 14

(21) Application No.1012/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/04/2013 (43) Publication Date : 11/04/2014

### (54) Title of the invention: UTILITY DEVICE MANAGEMENT

(51) International classification	:G01R21/00	(71)Name of Applicant :
(31) Priority Document No	:12/891,915	1)LANDIS+GYR INNOVATIONS, INC.
(32) Priority Date	:28/09/2010	Address of Applicant :30000 Mill Creek Avenue Suite 100
(33) Name of priority country	:U.S.A.	Alpharetta, Georgia 30022 U.S.A.
(86) International Application No	:PCT/US2011/050845	(72)Name of Inventor:
Filing Date	:08/09/2011	1)SALAZAR, Ruben
(87) International Publication No	:WO 2012/047441	2)SHUDARK, Jeffrey ,B.
(61) Patent of Addition to Application	:NA	3)MONNERIE, Emmanuel
Number	:NA	4)CHASKO, Stephen, J.
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Methods systems and apparatus including computer programs encoded on a computer storage medium for managing utility device operations. In one aspect a utility apparatus includes a processing apparatus that manages data processing tasks for the utility apparatus. The utility apparatus also includes a communications apparatus coupled to the processing apparatus that is configured to transmit and receive data over a network. A metrology apparatus is coupled to the processing apparatus the metrology apparatus being configured to measure and provide meter data that includes at least a measure of utilized utility services. A network apparatus is also coupled to the processing apparatus the network apparatus being configured to coordinate communication between devices that belong to a home area network. A utility identification module interface is coupled to the processing apparatus the utility identification module having an interface that removably receives a utility identification module.

No. of Pages: 41 No. of Claims: 25

(21) Application No.1013/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/04/2013 (43) Publication Date : 11/04/2014

## (54) Title of the invention : EXPANSION VALVE CONTROL SYSTEM AND METHOD FOR AIR CONDITIONING APPARATUS

(51) International classification	:F25B49/02,F25B41/06	(71)Name of Applicant:
(31) Priority Document No	:12/895,536	1)TRANE INTERNATIONAL INC.
(32) Priority Date	:30/09/2010	Address of Applicant :One Centennial Avenue, Piscataway,
(33) Name of priority country	:U.S.A.	New Jersey 08855 U.S.A.
(86) International Application No	:PCT/US2011/054246	(72)Name of Inventor:
Filing Date	:30/09/2011	1)MERCER, Kevin B.
(87) International Publication No	:WO 2012/044943	2)EDENS, John R.
(61) Patent of Addition to Application	:NA	3)DOUGLAS, Jonathan David
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) A1		•

#### (57) Abstract:

A method of reducing a cyclical loss coefficient of an HVAC system efficiency rating of an HVAC system includes operating the HVAC system using a recorded electronic expansion valve position of an electronic expansion valve of the HVAC system discontinuing operation of the HVAC system and resuming operation of the HVAC system using an electronic expansion valve position that allows greater refrigerant mass flow through the expansion valve as compared to the recorded electronic expansion valve position.

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

(21) Application No.1014/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/04/2013 (43) Publication Date : 11/04/2014

### (54) Title of the invention: SUTURE ANCHOR AND METHOD FOR FIXATING A SUTURE RELATIVE TO HARD TISSUE

:A61B17/04,A61B17/00 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/386,160 1)SportWelding GmbH Address of Applicant : Wagistrasse 6, CH 8952 Schlieren (32) Priority Date :24/09/2010 (33) Name of priority country :U.S.A. SWITZERLAND (86) International Application No :PCT/CH2011/000222 (72)Name of Inventor: Filing Date :21/09/2011 1)MAYER, Jörg 2)MUELLER, Andrea (87) International Publication No :WO 2012/037699 (61) Patent of Addition to Application 3) LEHMANN, Mario :NA Number 4) GOEBEL-MEHL, Stephanie :NA Filing Date 5)WENGER, Andreas (62) Divisional to Application Number :NA 6)BERRA, Milica Filing Date :NA

(57) Abstract:

The disclosed suture anchor (2) comprises a material having thermoplastic properties and is fixated in a hard tissue opening by liquefying at least part of this material and letting it penetrate into walls of the hard tissue opening. During the named fixation and preferably towards the end of it the suture being held in a distal suture conduit (23) is locked relative to the hard tissue by being clamped between the suture anchor (2) and the wall of the hard tissue opening or by being clamped or braked through collapse of the suture conduit.

No. of Pages: 42 No. of Claims: 23

(21) Application No.1854/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/06/2013 (43) Publication Date : 11/04/2014

### (54) Title of the invention: CANCEL CAM STRUCTURE AND ROTARY CONNECTOR 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>	:B60Q1/42 :2010-257971 :18/11/2010 :Japan :PCT/JP2011/076696 :18/11/2011 :WO 2012/067238 :NA :NA	(71)Name of Applicant:  1)FURUKAWA ELECTRIC CO., LTD. Address of Applicant: 2-3,MARUNOUCHI 2- CHOME,CHIYODA-KU,TOKYO 1008322,JAPAN 2)FURUKAWA AUTOMOTIVE SYSTEMS INC. (72)Name of Inventor: 1)HIROKI KENJI
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A cancel cam structure capable of suppressing noise of contact (hammering noise) of the cancel cam structure and a ratchet to be small, and a rotatable connector device, are provided. A cam section 12 includes an outer circumferential cam wall 13a for allowing a ratchet 20 to slide thereon; an inner wall 13b located radially inner to the outer circumferential cam wall 13a; and coupling cam walls 13c and 13d for coupling the outer circumferential cam wall 13a and the inner wall 13b. The outer circumferential cam wall 13a, the inner wall 13b, and the coupling cam walls 13c and 13d are formed parallel to an axial direction X of a steering shaft; and an enclosed space S is formed by the outer circumferential cam wall 13a, the inner wall 13b, and the coupling cam walls 13c and 13d. The cam section 12 also includes a partition wall 14 or 140 for dividing the enclosed space S.

No. of Pages: 39 No. of Claims: 6

(21) Application No.1103/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :25/09/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: SEGMENT FOR A REHABILITATION PIPE, AND PIPE REHABILITATION 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>	:F16L 55/00 :2012- 221819 :04/10/2012 :Japan :NA	(71)Name of Applicant:  1)SHONAN GOSEI-JUSHI SEISAKUSHO K.K. Address of Applicant:31-27, DAIKAN-CHO, HIRATSUKA-SHI, KANAGAWA-KEN, 254-0807 JAPAN (72)Name of Inventor: 1)KAMIYAMA TAKAO 2)KANETA KOJI
Filing Date (87) International Publication No	:NA : NA	3)FUJII KENJI 4)ISHIDA MAKOTO
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

A segment for a rehabilitation pipe comprises an inner surface plate constituting an inner circumferential surface, and side plates and end plates provided upright on a peripheral edge of the inner surface plate. The inner surface plate, the side plates, and the end plates are formed integrally from a plastic material and the segments are linked in a circumferential direction and in a pipe-length direction to install a segmental rehabilitation pipe inside an existing pipe. Each of the side plates is provided at an end in the vicinity of the end plate with an opening used for a linking operation of the segments in the circumferential direction. It is possible to insert a linking member through the opening and readily link the segments in the circumferential direction. The opening formed in the side plate is formed so that the filler material injected into the space between the existing pipe and the segmental rehabilitation pipe flows in or out through the opening.

No. of Pages: 36 No. of Claims: 9

(21) Application No.1922/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/06/2013 (43) Publication Date: 11/04/2014

### (54) Title of the invention: METHOD FOR PREPARING ARYL POLYOXY ALKYL QUATERNARY AMMONIUM **COMPOUND**

(51) International classification :C07C217/08,C07C213/02 (71)Name of Applicant :

(31) Priority Document No :201110278338.X (32) Priority Date :19/09/2011 (33) Name of priority country :China

(86) International Application No :PCT/CN2012/070457

Filing Date

:17/01/2012 (87) International Publication No :WO 2013/040869

(61) Patent of Addition to Application

:NA Number :NA Filing Date

(62) Divisional to Application Number :NA Filing Date

1)BEIJING SUNPU BIOCHEM. TECH. CO., LTD. Address of Applicant :NO. 4 DONGBINHE ROAD

YOUANMENWAI, FENGTAI DISTRICT BEIJING 100069,

**CHINA** 

(72) Name of Inventor: 1) CHENG, CHE JIM

2)SONG, FEI 3)PAN, YONGMEI

#### (57) Abstract:

A method for preparation of an aryl poly(oxalkyl) quaternary ammonium compound is provided, said method comprising steps of: 1) reacting a phenol with a dihalopolyalkylene ether under the action of a phase transfer catalyst, to obtain an arylpoly(oxalkyl) halide; 2) reacting said arylpoly(oxalkyl) halide with an amination reagent under the action of a phase transfer catalyst, to obtain an arylpoly(oxalkyl) amine; 3) reacting said arylpoly(oxalkyl) amine with an alkylation reagent, to obtain an aryl poly(oxalkyl) quaternary ammonium compound; wherein R1 is H or a C1 to C16 alkyl group, located in the ortho, meta or para position; n is an integer of 2 to 6; R2 is H or a C1 to C16 alkyl group; R3 is H or a C1 to C16 alkyl group; R4 is a C1 to C16 alkyl group; X1 is Br or Cl; X is Cl, Br, or I. The preparation method according to the present invention requires low temperature and low pressure, the reaction time is short, and an overall yield can reach 75%. The operation is simple, the cost is low, and the product can be separated easily and have a purity of pharmaceutical grade, thereby facilitating the large-scale production.

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

(21) Application No.1923/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/06/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention : PRODUCTION OF POLYCRYSTALLINE SILICON BY THE THERMAL DECOMPOSITION OF DICHLOROSILANE IN A FLUIDIZED BED REACTOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:C01B33/03 :12/977,712 :23/12/2010 :U.S.A. :PCT/US2011/064315 :12/12/2011 :WO 2012/087628 :NA :NA :NA	(71)Name of Applicant:  1)MEMC ELECTRONIC MATERIALS, INC. Address of Applicant:501 PEARL DRIVE, ST. PETERS,MISSOURI 63376 U.S.A. (72)Name of Inventor: 1)BHUSARAPU, SATISH 2)GUPTA, PUNEET 3)HUANG, YUE
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### (57) Abstract:

Processes for producing polycrystalline silicon by thermal decomposition of dichlorosilane are disclosed. The processes generally involve thermal decomposition of dichlorosilane in a fluidized bed reactor operated at reaction conditions that result in a high rate of productivity relative to conventional production processes.

No. of Pages: 29 No. of Claims: 39

(21) Application No.1924/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/06/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : METHOD AND APPARATUS FOR DETERMINING A CLASS REFERENCE DATA RECORD FOR CLASSIFYING DOCUMENTS OF VALUE

(51) International classification	:G07D7/20	(71)Name of Applicant:
(31) Priority Document No	:10 2010 055 974.1	1)GIESECKE & DEVRIENT GMBH
(32) Priority Date	:23/12/2010	Address of Applicant :PRINZREGENTENSTRASSE 159,
(33) Name of priority country	:Germany	81677 MÜNCHEN GERMANY
(86) International Application No	:PCT/EP2011/006319	(72)Name of Inventor:
Filing Date	:14/12/2011	1)HECHT, MATTTHIAS
(87) International Publication No	:WO 2012/084145	2)SCHOLZ, INGO
(61) Patent of Addition to Application	:NA	3)SU, SHANCHUAN
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) A1		·

#### (57) Abstract:

A method for determining a class reference data record for classifying documents of value, particularly bank notes, is proposed. The method has the following steps: a class reference image is created using a multiplicity of reference images of already classified documents of value in the same class; and a class reference data record having at least one class reference parameter is created using the class reference image. In this case, the pixel and intensity values of the respective pixel in the class reference image are a function of the pixel values of the relevant pixels in the multiplicity of reference images of already classified documents of value in the same class. For classifying documents of value, the method has the following further steps: at least one quantitative property of a document of value that is to be classified is classified on the basis of a comparison between the quantitative property of the document of value that is to be classified and the class reference data record. A further subject of the invention is an appropriate apparatus (10).

No. of Pages: 28 No. of Claims: 16

(21) Application No.1010/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 10/04/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: A PAPER OR PAPERBOARD PRODUCT AND A PROCESS FOR PRODUCTION OF A PAPER OR PAPERBOARD PRODUCT

(51) International :D21H11/18,D21C9/00,D21H17/20

classification

(31) Priority Document No :1050985-9 (32) Priority Date :22/09/2010

(33) Name of priority country: Sweden

(86) International Application :PCT/SE2011/051123

No

:19/09/2011 Filing Date

(87) International Publication :WO 2012/039668

(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)STORA ENSO OYJ

Address of Applicant : Kanavaranta 1, FI-00101 Helsinki

**FINLAND** 

(72)Name of Inventor: 1)AXRUP, Lars

2) HEISKANEN, Isto

3)BACKFOLK, Kaj

4) RIIKONEN, Mika

#### (57) Abstract:

The present invention relates to a paper or paperboard product comprising a furnish wherein said furnish comprises a cationic polymer in an amount of above 15% by weight an anionic polymer and microfibrillated cellulose. The invention further relates to a process for the production of said product.

No. of Pages: 18 No. of Claims: 14

(21) Application No.1011/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 10/04/2013 (43) Publication Date: 11/04/2014

### (54) Title of the invention: PROCESS FOR THE DERIVATIZATION OF CELLULOSE

(51) International classification

(31) Priority Document No :61/407,047

(32) Priority Date :27/10/2010

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

(86) International Application No: PCT/SE2011/051270

Filing Date :26/10/2011 (87) International Publication No: WO 2012/057684

(61) Patent of Addition to :NA

**Application Number** :NA Filing Date

(62) Divisional to Application

:NA Number :NA

Filing Date

:C08B1/08,C08B1/00,C08B1/02 (71)Name of Applicant :

1)HELI INOVATIO HANDELSBOLAG

Address of Applicant :c/o Henriksson, Bygatan 15, S-171 49

Solna SWEDEN

(72)Name of Inventor:

1)HENRIKSSON, Gunnar

2)LINDSTRÖM, Mikael

## (57) Abstract:

There is disclosed a process for the derivatization of cellulose comprising the sequential steps: a) mixing cellulose with a viscosity below 900 ml/g with an aqueous solution to obtain a liquid, wherein particles comprising cellulose in said liquid have a diameter of maximum 200 nm, wherein the temperature of the aqueous solution is below 20°C, and wherein the pH of the aqueous solution is above 12, b) subjecting the liquid to at least one of the steps: i) decreasing the pH of the liquid with at least 1 pH unit, ii) increasing the temperature by at least 20°C, and c) derivatization of the cellulose. Advantages include that there is provided the possibility to derivatize cellulose faster and to a greater extent after the treatment. Further the yield is improved. The product quality is improved and the manufacture is cheaper and easier.

No. of Pages: 23 No. of Claims: 22

(21) Application No.1843/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/06/2013 (43) Publication Date : 11/04/2014

# (54) Title of the invention : AMINE CONTAINING ABSORPTION MEDIUM PROCESS AND APPARATUS FOR ABSORPTION OF ACIDIC GASES FROM GAS MIXTURES

(51) International :B01D53/14,C07D211/58,C10K1/00

classification .B01D33/14,C07D2

(31) Priority Document No :10 2010 043 838.3 (32) Priority Date :12/11/2010 (33) Name of priority country:Germany

(86) International

Application No :PCT/EP2011/069787

Filing Date :10/11/2011

(87) International Publication :WO 2012/062830

No (61) Patent of Addition to

Application Number :NA:NA

Filing Date
(62) Divisional to
Application Number

NA

NA

pplication Number :NA Filing Date

(71)Name of Applicant:

1)EVONIK DEGUSSA GMBH

Address of Applicant :Rellinghauser Straße 1 11 45128 Essen

Germany

(72)Name of Inventor: 1)SEILER Matthias

2)SCHNEIDER Rolf 3)ROLKER Jörn

4)DEMBKOWSKI Daniel

5)NEUMANN Manfred

6)WITTHAUT Daniel 7)KEUP Michael

8)BREHME Volker

9)IRFAN Muhammad

## (57) Abstract:

CO2 is absorbed from a gas mixture by contacting the gas mixture with an absorption medium comprising at least water as a solvent and at least one amine of the formula (I) in which R1 is an aliphatic radical having 2 to 6 carbon atoms and at least one amino group, and R2 is hydrogen, a C1-4-alkyl radical or an R1 radical.

No. of Pages: 32 No. of Claims: 18

(21) Application No.1930/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/06/2013 (43) Publication Date : 11/04/2014

### (54) Title of the invention: IMPROVEMENTS TO MECHANO-CHEMICAL REACTORS

(51) International classification	:B02C17/14	(71)Name of Applicant:
(31) Priority Document No	:TV2010A000168	1)MATTEAZZI, PAOLO
(32) Priority Date	:23/12/2010	Address of Applicant :VIA SCARPA 8/E, I-31100 TREVISO
(33) Name of priority country	:Italy	ITALY
(86) International Application No		(72)Name of Inventor:
Filing Date	:15/12/2011	1)MATTEAZZI, PAOLO
(87) International Publication No	:WO 2012/085782	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A mechano-chemical reactor comprising, driving means extended along one or more parallel axis a mass made oscillating by the driving means along the direction of a vertical axis and an elastic system for a partial compensation of the inertial forces generated by the oscillating mass. The oscillating mass includes at least one restricted environment loaded with solid and/or liquid substances are loaded in order to be treated by the kinetic energy of milling bodies. The elastic system comprises flexible elements made of a titanium alloy which are either one dimensional i.e. a plurality of rectilinear parallel rods or bi-dimensional i.e. at least a polygonal plate having two sides parallel to the axis of the driving means. In rest conditions the flexible elements are extended substantially perpendicular to the direction of the oscillations of the mass.

No. of Pages: 34 No. of Claims: 11

(21) Application No.1931/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/06/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: A VERTICAL SAND MOULDING 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> </ul>	:21/12/2010 :WO 2012/085621 :NA :NA :NA	(71)Name of Applicant:  1)DISA INDUSTRIES A/S Address of Applicant:HERLEV HOVEDGADE 17, DK-2730 HERLEV HERLEV DENMARK (72)Name of Inventor: 1)KNUDSEN,SØREN, ERIK 2)AXELSEN, MICHAEL
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention pertains to a vertical sand moulding machine 2, comprising a moulding chamber 4 formed by a bottom wall 6 and an upper wall 8 provided with one or more sand filling openings 10, communicating with a sand feed system 12. The moulding chamber 4 is also delimited by two side walls, a pressure plate 14 provided with a pressure pattern 16 and connected to a movement mechanism 18, and a swingable plate 20 provided with a swing pattern 22 and mounted for translational and swivelling movement in order to open and close the moulding chamber 4, allowing the pressure plate 14 to expel the produced moulds. The sand moulding machine 2 further comprises a first device 26, which is fixed to the swingable plate 20 and is adapted to cooperate with a second device 28, which is connected to another part of the sand moulding machine 2, for swivelling the swingable plate 20.

No. of Pages: 19 No. of Claims: 11

(21) Application No.1113/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/04/2013 (43) Publication Date: 11/04/2014

### (54) Title of the invention: FLUID INJECTION DEVICE

(51) International classification	:E21B34/10,E21B37/06	(71)Name of Applicant :
(31) Priority Document No	:1017698.0	1)CAMCON OIL LIMITED
(32) Priority Date	:20/10/2010	Address of Applicant :St John's Innovation Centre, Cowley
(33) Name of priority country	:U.K.	Road, Cambridge, Cambridgeshire CB4 0WS U.K.
(86) International Application No	:PCT/GB2011/052023	(72)Name of Inventor:
Filing Date	:19/10/2011	1)ANDERSON, Ian
(87) International Publication No	:WO 2012/052759	2)WATSON, Peter
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A fluid injection device (18) for controlling injection of fluid into an oil carrying tube in an oil well includes an inlet (20) for receiving the fluid; an outlet (28) for supplying the fluid for injection into the oil carrying tube; an inlet valve (22) in a fluid path between the inlet and the outlet; an actuator (24) for opening and closing the valve; and a connector (36) for coupling the inlet to a fluid supply tube (32) extending between the device and a source of the fluid above the ground. A method of controlling injection of fluid using such a device is also provided.

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

(21) Application No.1114/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application:19/04/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: APPARATUS COMPRISING INDUCTIVE COUPLING COMMUNICATION MEANS

(51) International classification :G06K7/10,G06K7/00,G06K7/08 (71) Name of Applicant: (31) Priority Document No :10 04096

:19/10/2010 (32) Priority Date (33) Name of priority country :France

(86) International Application :PCT/FR2011/000562

No :19/10/2011 Filing Date

(87) International Publication No:WO 2012/052631

(61) Patent of Addition to

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)INSIDE SECURE

Address of Applicant :41 Parc Club du Golf, F-13856 Aix-en-

provence Cedex 3 FRANCE (72)Name of Inventor:

1) CORDIER, Nicolas 2) PERNISEK, Florian

#### (57) Abstract:

The invention relates to an apparatus (DV) including inductive coupling communication means (D2 ACT) configured for communicating in a peer to peer mode with an identical apparatus and including an antenna coil which is asymmetrical relative to a longitudinal medial line wherein said asymmetry corresponds to a coverage ratio of less than or equal to 0.6 if the antenna coil comprises four or more turns of no more than 0.7 if the antenna coil comprises three turns or of no more than 0.8 if the antenna coil comprises one or two turns.

No. of Pages: 36 No. of Claims: 21

(21) Application No.1115/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application:19/04/2013 (43) Publication Date: 11/04/2014

### (54) Title of the invention: FLUID INJECTION DEVICE

(51) International :E21B43/12,E21B43/14,E21B43/20 classification

(31) Priority Document No :1017699.8

(32) Priority Date :20/10/2010

(33) Name of priority country: U.K.

(86) International Application :PCT/GB2011/052024

No :19/10/2011 Filing Date

(87) International Publication: WO 2012/052760

(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)CAMCON OIL LIMITED

Address of Applicant :St John's Innovation Centre, Cowley

Road, Cambridge, Cambridgeshire CB4 0WS U.K.

(72)Name of Inventor: 1)WATSON, Peter

### (57) Abstract:

A fluid injection device (38) for deployment in a well bore to control injection of fluid into an oil reservoir wherein the well bore has an outer pipe (16) and an inner tube (14) which extends within the outer pipe and is connected at one end to a pressurized fluid supply above the ground. The device includes a control valve arrangement comprising: an inlet (42) for receiving the fluid from the inner tube; an outlet (56) for outputting the fluid outside the inner tube; an inlet valve (44) in a fluid path between the inlet and the outlet; and an actuator (50) associated with the inlet valve which is controllable to switch the inlet valve between its open and closed configurations such that when the inlet valve is open the fluid flows from the inner tube via the inlet fluid path and outlet to outside the inner tube. A method of controlling injection of fluid into an oil reservoir from a well bore using such a device is also provided.

No. of Pages: 15 No. of Claims: 16

(21) Application No.1420/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/05/2013 (43) Publication Date: 11/04/2014

(54) Title of the invention: PYRROLIDINONES AS METAP-2 INHIBITORS

(51) International :C07D207/277,A61K31/4015,A61K31/402

classification (31) Priority

Document No

:10 2010 048 374.5

(32) Priority Date (33) Name of priority :13/10/2010 :Germany

country

(86) International

:PCT/EP2011/004608 Application No :14/09/2011

Filing Date

(87) International :WO 2012/048775

Publication No

(61) Patent of Addition:NA

to Application Number:NA

Filing Date

(62) Divisional to

:NA Application Number :NA Filing Date

(57) Abstract:

(71)Name of Applicant:

1)MERCK PATENT GMBH

Address of Applicant : Frankfurter Strasse 250, 64293

Darmstadt, GERMANY

(72)Name of Inventor:

1) HEINRICH, Timo

2)ZENKE, Frank

3) CALDERINI, Michel

4) MUSIL, Djordje

The invention relates to compounds of formula I in which R1, R2, R3 and R4 have the meanings given in claim 1. These compounds are methionine aminopeptidase inhibitors and can be used in the treatment of tumours.

No. of Pages: 268 No. of Claims: 14

(21) Application No.252/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :05/02/2014

(43) Publication Date: 11/04/2014

### (54) Title of the invention: INJECTABLE SOLUTION OF AT LEAST ONE TYPE OF BASAL INSULIN

(51) International :A61K38/28,A61K47/36,A61K9/00

classification

(31) Priority Document No :11/57291 (32) Priority Date :10/08/2011 (33) Name of priority country: France

(86) International Application :PCT/FR2012/051880

No :09/08/2012

Filing Date

(87) International Publication: WO 2013/021143

(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)ADOCIA

Address of Applicant: 115 Avenue Lacassagne, 69003 Lyon,

**FRANCE** 

(72) Name of Inventor: 1)Olivier SOULA 2)Gérard SOULA 3)Jeff TONNAR

4) Alexandre GEISSLER

#### (57) Abstract:

The invention relates to an injectable solution having a pH of 7, and including at least one type of basal insulin, the pI of which is between 5.8 and 8.5. The invention relates to a composition in the form of an injectable aqueous solution, the pH of which is between 6.0 and 8.0, including at least: a) one type of basal insulin, the isoelectric point (pI) of which is between 5.8 and 8.5; and b) a dextran substituted with radicals having carboxylate fillers and hydrophobic radicals of formula I or II, where R is -OH or is selected from the group consisting of the radicals o-(f-[A]-COOH), o-(g-[B]-k-[D])m, D comprising at least one alkyl chain comprising at least 8 carbon atoms, where R is -OH or a radical -(f-[A]-COOH)m, and R is selected from the group consisting of the radicals o-CH2NH-[E](-o-[F])t and o-C(O)NH-[E](- o-[F])t.

No. of Pages: 94 No. of Claims: 26

(21) Application No.1145/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :04/10/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: PRINT PITCH CORRECTING APPARATUS FOR PLASTIC FILM

<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>	:2012- 223404	(71)Name of Applicant:  1)TOTANI CORPORATION  Address of Applicant: 4-44, NAKAKUZE-CHO, KUZE,  MINAMI-KU, KYOTO-SHI, KYOTO 601-8213 JAPAN  (72)Name of Inventor:
(86) International Application No	:NA	1)MIKIO TOTANI
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

It is intended to correct print pitches P at which a pattern A is printed on a plastic film 1 repeatedly. A first optical sensor detects positions at which the pattern A is printed on the plastic film 1 repeatedly, to measure the print pitches P individually. A first stretching device 4 stretches the plastic film 1 after measuring the print pitch P to correct the print pitches P individually. A second optical sensor detects the positions after correcting the print pitch P to measure a sum of print pitches  $P(1) + P(2) + \cdots + P(N)$  of a number of patterns A. A second stretching device 10 stretches the plastic film 1 after measuring the sum of print pitches to correct the sum of print pitches.

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

(21) Application No.2436/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/08/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: SLIDE RING SEAL

<ul><li>(51) International classification</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>	:F16J15/34 :10 2011 011 475.0 :17/02/2011 :Germany :PCT/DE2012/000050	(71)Name of Applicant:  1)FEDERAL MOGUL BURSCHEID GMBH Address of Applicant: Bürgermeister Schmidt Strasse 17 51399 Burscheid Germany (72)Name of Inventor:
Filing Date	:20/01/2012	1)DENGLER Andreas
(87) International Publication No	:WO 2012/110016	
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

## (57) Abstract:

The invention relates to a slide ring seal in particular a running gear seal (1) at least comprising an angular slide ring and/or counter ring the radial limb of which forms a sliding region and the axial limb of which forms a receiving area for a trapezoidal sealing element which is provided radially outside the sliding region with a shoulder engaging at least partially over the radial limb and forming a secondary seal characterised in that at least in the region of the radial limb the shoulder is provided with a dirt lip forming contour that in the installed state of the slide ring seal in particular a running gear seal is supported on the outer circumferential surface of the radial limb viewed in the axial direction.

No. of Pages: 9 No. of Claims: 2

(21) Application No.2543/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 16/08/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: SLIPPERY LIQUID-INFUSED POROUS SURFACES AND BIOLOGICAL APPLICATIONS THEREOF

(51) International classification :C09D5/16,B01L3/00,A61L15/24 (71)Name of Applicant:

:WO 2012/100100

(31) Priority Document No :61/434,217 (32) Priority Date :19/01/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/US2012/021929

No

:19/01/2012 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)PRESIDENT AND FELLOWS OF HARVARD

**COLLEGE** 

Address of Applicant: 17 Quincy Street, Cambridge, MA

02138 U.S.A.

(72) Name of Inventor: 1)AIZENBERG, Joanna 2) HATTON, Benjamin 3)INGBER, Donald, Elliott

4)SUPER, Michael 5) WONG, Tak, Sing

#### (57) Abstract:

A self-healing, scratch resistant slippery surface that is manufactured by wicking a chemically-inert, high-density liquid coating over a roughened solid surface featuring micro and nanoscale topographies is described. Such a slippery surface shows anti-wetting properties, as well as exhibits significant reduction of adhesion of a broad range of biological materials, including particles in suspension or solution. Specifically, the slippery surfaces can be applied to medical devices and equipment to effectively repel biological materials such as blood, and prevent, reduce, or delay coagulation and surface-mediated clot formation. Moreover, the slippery surfaces can be used to prevent fouling by microorganisms such as bacteria.

No. of Pages: 148 No. of Claims: 86

(21) Application No.2544/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 16/08/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: SLIPPERY SURFACES WITH HIGH PRESSURE STABILITY, OPTICAL TRANSPARENCY, AND SELF-HEALING CHARACTERISTICS

(51) International classification :C09D5/16,B01L3/00,B05D5/08 (71)Name of Applicant :

(31) Priority Document No :61/434,217 (32) Priority Date :19/01/2011 (33) Name of priority country :U.S.A.

(86) International Application No: PCT/US2012/021928

Filing Date :19/01/2012 (87) International Publication No: WO 2012/100099

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

:NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)PRESIDENT AND FELLOWS OF HARVARD

**COLLEGE** 

Address of Applicant: 17 Quincy Street, Cambridge, MA

02138 U.S.A.

(72)Name of Inventor: 1)AIZENBERG, Joanna 2)AIZENBERG, Michael 3)KANG, Sung, Hoon

4)KIM, Philseok 5)TANG, Kam, Yan 6) WONG, Tak, Sing

#### (57) Abstract:

The present disclosure describes a strategy to create self-healing, slippery liquid-infused porous surfaces (SLIPS). Roughened (e.g. porous) surfaces can be utilized to lock in place a lubricating fluid, referred to herein as Liquid B to repel a wide range of materials, referred to herein as Object A (Solid A or Liquid A). SLIPS outperforms other conventional surfaces in its capability to repel various simple and complex liquids (water, hydrocarbons, crude oil and blood), maintain low-contact angle hysteresis (<2.5°), quickly restore liquid- repellency after physical damage (within 0.1-1 s), resist ice, microorganisms and insects adhesion, and function at high pressures (up to at least 690 atm). Some exemplary application where SLIPS will be useful include energy- efficient fluid handling and transportation, optical sensing, medicine, and as self-cleaning, and anti-fouling materials operating in extreme environments.

No. of Pages: 175 No. of Claims: 84

(21) Application No.1168/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :10/10/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention : AN AUTOMATISED CLEANING SYSTEM ADAPTED FOR CLEANING CLOGGED PERFORATED MEMBER/MESHES USED FOR SIFTING OUT MATERIALS FROM A BULK ACCORDING TO SIZE.

	D <214/00	
(51) International classification	:B63J4/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1)CHALIHA, RANJIT
(32) Priority Date	:NA	Address of Applicant :GREEN GOLD (ASSAM) PVT. LTD.,
(33) Name of priority country	:NA	JAIN COMPLEX, G.S. ROAD, GUWAHATI-781 005, Assam,
(86) International Application No	:NA	India.
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)CHALIHA, RANJIT
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to an automatised cleaning system adapted for cleaning clogged perforated member/meshes used for sifting out materials from a bulk according to size such as in the manufacture of tea and the like products. It is a device for automatically cleaning a large area of the mesh in jigger type sifter machine in real time whilst the machine is in operation involving a rotating brush/scrubber. Advantageously, the device comprises a motor driven rotating brush mounted on a vertical shaft attached to the mesh and moves with the mesh, there is no jarring or impact with any stationary body during cleaning which can cause damage to the mesh. The cleaning device for jigger type sifter machine according to the present invention would enable continuous cleaning of mesh pores in an operating machine ensuring uninterrupted production in tea and the like industry in a simple yet cost effective manner.

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

(21) Application No.1418/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/05/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention : AN ELASTICISED YARN, A METHOD FOR MAKING SAID YARN AND ELASTICISED FABRIC MADE THEREFROM

(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 SWO 2012/056436  :NA :NA :NA :NA :NA :NA	Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:31/10/2011 :WO 2012/056436 :NA :NA :NA	
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#### (57) Abstract:

This invention relates to an elastic yarn an elastomeric core, and a substantially inextensible yarn made of linen and/or ramie and/or hemp helically wound about the elastomeric core at a predetermined number of windings per length unit of elastic yarn wherein, for each metric count Nm, the number of windings is set between two values indicated by two curves (12, 13) which can be expressed according to exponential laws, for example, with the same exponent, i.e. according to equations of the form T=K (1000Nm) 0,327 with K between 20 and 50. In particular, an intermediate curve 11 is such that, by choosing for a given metric count a number of windings proximate to curve 11, this best feature balance is obtained. The elastic yarn according to the invention provides elasticized fabrics a better surface regularity than well, know elasticized fabrics.

No. of Pages: 34 No. of Claims: 31

(21) Application No.1814/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/06/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: USE OF TEA POLYPHENOLS AND/OR TEA PIGMENTS AS DYES AND PRODUCTS THEREOF

(51) International classification :A61K8/49,A61K8/58,A61K8/97 (71)Name of Applicant:

:PCT/CN2011/082454

(31) Priority Document No :201010551117.0 (32) Priority Date :19/11/2010

(33) Name of priority country :China

(86) International Application No

:18/11/2011 Filing Date

(87) International Publication No:WO 2012/065576

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

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)NATURAL MEDICINE INSTITUTE OF ZHEJIANG

YANGSHENGTANG CO. LTD.

Address of Applicant: 148 Shuguang Road Xihu District

Hangzhou Zhejiang 310007 China

(72)Name of Inventor:

1)HU Liu

2)LAN Hongying

### (57) Abstract:

The use of tea polyphenols and/or tea pigments as active ingredients in a dye and combined with metal salts for dying human or animal hair, or the use thereof in preparing a hair dying product for humans or animals, and a hair dying product or hair dye combined product comprising tea polyphenols and/or tea pigments. The advantages thereof include lasting hair color and natural luster free of irritation, allergies, mutation, harmful effects to hair quality, as well as simplicity, convenience, and speed.

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

(21) Application No.262/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/02/2014

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD FOR THE PRODUCTION OF A BUILDING MATERIAL

(51) International classification	:C04B28/08	(71)Name of Applicant :
· ·		` '
(31) Priority Document No	:A 1414/2011	1)HOLCIM TECHNOLOGY LTD
(32) Priority Date	:29/09/2011	Address of Applicant :Zürcherstrasse 156 CH-8645
(33) Name of priority country	:Austria	Rapperswil-Jona SWITZERLAND
(86) International Application No	:PCT/IB2012/001901	(72)Name of Inventor:
Filing Date	:27/09/2012	1)BAALBAKI, Moussa
(87) International Publication No	:WO 2013/046000	2)KO, Suz-Chung
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Method for the production of a building material, in particular mortar or concrete from an alkali activated hydraulic binder, in which at least one dispersing agent and at least one set modifier is added to the mix, in which at least the dispersing agent is added after mixing the binder with water.

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

(21) Application No.2744/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/09/2013 (43) Publication Date : 11/04/2014

### (54) Title of the invention: FIBER OPTIC CONNECTOR

(51) International classification	:G02B6/38	(71)Name of Applicant:
(31) Priority Document No	:61/452953	1)ADC TELECOMMUNICATIONS INC.
(32) Priority Date	:15/03/2011	Address of Applicant :13625 Technology Drive Eden Prairie
(33) Name of priority country	:U.S.A.	MN 55344 2252 U.S.A.
(86) International Application No	:PCT/US2012/029241	(72)Name of Inventor:
Filing Date	:15/03/2012	1)NHEP Ponharith
(87) International Publication No	:WO 2012/125836	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1111	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present disclosure relates to a fiber optic connector and cable assembly. The fiber optic connector includes a ferrule assembly having a ferrule a ferrule hub and a ferrule spring. The ferrule has a distal end face that is accessible at a distal end of the connector housing. The ferrule is movable in a proximal direction relative to the connector housing from a distal position to a proximal position. The distal and proximal positions are separated by an axial displacement distance. The proximal movement of the ferrule is against the bias of the ferrule spring. The fiber optic cable of the assembly includes an optical fiber contained within a cable jacket. The fiber optic cable also includes a strength layer positioned between the optical fiber and the cable jacket. The strength layer is anchored to the connector housing. The optical fiber extends through a fiber passage of the fiber optic connector from the proximal end of the connector housing to the ferrule. The optical fiber has a distal portion potted within the ferrule. The fiber passage has a fiber take up region through which the optical fiber extends. The fiber take up region is configured to take up an excess length of the optical fiber that corresponds to the axial displacement distance of the ferrule.

No. of Pages: 79 No. of Claims: 35

(21) Application No.1712/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/05/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: DISPOSABLE DIAPER

(51) International :A61F13/496,A61F13/15,A61F13/49

classification (31) Priority Document No

:1018715.1 (32) Priority Date :05/11/2010

(33) Name of priority :U.K.

country

(86) International :PCT/JP2011/075501 Application No

:04/11/2011 Filing Date

(87) International

:WO 2012/060453 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)UNICHARM CORPORATION

Address of Applicant: 182 Shimobun Kinsei cho Shikokuchuo

shi Ehime 7990111 Japan (72)Name of Inventor:

1)YOSHIOKA Toshiyasu 2)ONO Yoshio

3)MASAKI Shunsuke

#### (57) Abstract:

In order for a guardian or wearer to know when to change a disposable diaper, the disposable diaper is provided with an external component (2) comprising an abdominal region (4F) and a back region (4B), and an internal component (3). Both the abdominal region and the back region of the external component have a plurality of elastic waist-wrapping parts that extend parallel to each other in the transverse direction. The external component has a circular waist gather region (RW), an abdomen-pressing region (RF), a backpressing region (RB), and a circular fastening region (RT). The area of the back-pressing region is smaller than the area of the abdomen-pressing region, the contractile force in the back-pressing region is smaller than the contractile force in the abdomenpressing region and is 0.35 N or less, and the contractile force per unit width in the fastening region is 0.45 N/25 mm or more.

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

(21) Application No.1989/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/06/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: MICROORGANISMS FOR PRODUCING PUTRESCINE AND METHOD FOR PRODUCING PUTRESCINE USING SAME

(51) International :C12N1/21,C12N15/74,C12N15/69 classification (31) Priority Document No :1020100124867 (32) Priority Date :08/12/2010 (33) Name of priority country: Republic of Korea (86) International Application :PCT/KR2011/009478 No

:WO 2012/077995

:08/12/2011 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

(71)Name of Applicant:

1)CJ CHEILJEDANG CORPORATION

Address of Applicant :292 Ssangnim dong Jung gu Seoul 100

400 Republic of Korea (72)Name of Inventor: 1)CHOI Hyang 2)LEE Kyoung Min 3)KANG Min Sun 4)JHON Sung Hoo 5)UM Hye Won

6)CHOI Su Jin 7)LEE Han Won 8)SHIN Soo An

#### (57) Abstract:

The present invention relates to microorganisms for producing putrescine and a method for producing putrescine using the same, and more specifically to microorganisms with an ability to produce putrescine and a method for producing putrescine using the microorganisms by: blocking a biosynthetic pathway from ornithine to arginine; increasing the amount of glutamate within a cell; enhancing the activity of the biosynthetic pathway which produces ornithine from glutamate; and introducing ornithine decarboxylase from the exotic enzymes.

No. of Pages: 58 No. of Claims: 13

(21) Application No.241/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/02/2014

(43) Publication Date: 11/04/2014

### (54) Title of the invention: POSITIVE ELECTRODE ACTIVE MATERIAL FOR ELECTRIC DEVICE, POSITIVE ELECTRODE FOR ELECTRIC DEVICE, AND ELECTRIC DEVICE

(51) International :H01M4/505,H01M4/36,H01M4/525 classification

(31) Priority Document No :2011-148094 (32) Priority Date :04/07/2011

(33) Name of priority :Japan

country (86) International

:PCT/JP2012/066970 Application No :03/07/2012 Filing Date

(87) International

:WO 2013/005737 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)NISSAN MOTOR CO., LTD.

Address of Applicant :2, Takara-cho, Kanagawa-ku,

Yokohama-shi, Kanagawa 221-0023, JAPAN

(72)Name of Inventor:

1)Atsushi ITO

2)Yasuhiko OHSAWA

3)Kenzo OSHIHARA

4)Tomohiro KABURAGI 5)Shinji YAMAMOTO

(57) Abstract:

Filing Date

This positive electrode active material for an electric device contains a first active material and a second active material. The first active material comprises a transition metal oxide represented by formula (1): Li1.5[NiaCobMnc[Li]d]O3 (in formula (1), a, b, c, and d satisfy the relationships: 0 < d < 0.5; a + b + c + d = 1.5; and 1.0 < a + b + c < 1.5). The second active material comprises a spinel transition metal oxide that has a crystal structure assigned to the space group Fd-3m and that is represented by formula (2): LiMaMn2aO4 (in formula (2), M indicates at least one metal element having an atomic valence of 2-4, and a satisfies the relationship 0 a < 2.0). Also, the fraction content of the first active material and the second active material by mass ratio satisfies the relationship represented by formula (3): 100:0 < MA:MB< 0:100 (in formula (3), MA indicates the mass of the first active material and MB indicates the mass of the second active material).

No. of Pages: 69 No. of Claims: 13

(21) Application No.278/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/02/2014

(43) Publication Date: 11/04/2014

## $(54) \ Title \ of \ the \ invention: STRAIGHTENING \ DEVICE \ WITH \ HYPERBOLIC \ ROLLS \ FOR \ METAL \ PRODUCTS \ AND \ CORRESPONDING \ METHOD$

<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 Filing Date</li> </ul>	:B21D3/02,B21D55/00 :UD2011A000108 :11/07/2011 :Italy :PCT/IB2012/001356 :10/07/2012 :WO 2013/008081 :NA :NA :NA	(71)Name of Applicant:  1)DANIELI & C. OFFICINE MECCANICHE SPA Address of Applicant: Via Nazionale, 41, I-33042 Buttrio (IT) Italy (72)Name of Inventor: 1)CLOCCHIATTI, Loris 2)MIGALI, Simone, Antonio
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#### (57) Abstract:

Straightening device for long or rod-shaped metal products (18), comprising an upper roll unit (12) and a lower roll unit (14), wherein the upper roll unit (12) is mobile and can be positioned vertically at least in the step where a passage gap (17) of said products (18) is set to a desired value, wherein a hydraulic safety /control device is associated with the lower roll unit (14) and comprises a single-effect hydraulic actuator (19, 1 19) of the selectively yielding type when an overload condition higher than a predetermined value is detected on said lower roll unit (14).

No. of Pages: 18 No. of Claims: 9

(21) Application No.1161/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :08/10/2012

(43) Publication Date: 11/04/2014

## (54) Title of the invention : AN ADJUSTABLE STOPPER CUM LOCKING DEVICE FOR LARGE BUTTERFLY VALVES FOR IMPROVED SEALING OF VALVE DOOR AND VALVE SEAT

(51) International classification	:A61F5/451	(71)Name of Applicant :
(31) Priority Document No	:NA	1)BHARAT HEAVY ELECTRICALS LIMITED
(32) Priority Date	:NA	Address of Applicant :REGIONAL OPERATIONS
(33) Name of priority country	:NA	DIVISION(ROD), PLOT NO:9/1, DJBLOCK 3RD FLOOR,
(86) International Application No	:NA	KARUNAMOYEE,SALTLAKE CITY, KOLKATA-700091,
Filing Date	:NA	HAVING ITS REGISTERED OFFICE AT BHEL HOUSE, SIRI
(87) International Publication No	: NA	FORT, NEW DELHI - 110049, INDIA.
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor:
Filing Date	:NA	1)KARRI PRASAD
(62) Divisional to Application Number	:NA	2)SATISH KUMAR PRAJAPATI
Filing Date	:NA	

## (57) Abstract:

The invention relates an adjustable stopper cum locking device for large butterfly Valves for improved sealing of valve door and valve seat comprising a first projecting plate (17) welded to lever arm (7) which rests on a spherical headed stopper screw (19) which is fixed in a second plate (20) projecting out from valve body (1); a locking bolt (23) insertable into a threaded hole (22) configured in the first projecting plate (17) of a lever to lock the lever (7) with respect to the valve body (1), the spherical headed stopper screw (19) and the locking bolt (23) in combination is enabled to push or pull the door (2) with respect to the body (1) to place the valve in an optimum sealing position, the spherical headed stopper screw (19) having holes at the opposite end for turning by a tommy bar and projectingly fixed from the valve body (1) on the second plate (20); the screw (19) is locked by a slotted ring nut (25) by inserting a rectangular steel piece (26) in the slot, wherein the locking bold head (23) comprises a spherical back to sit on a spherical washer (24) to absorb misalignment between the axis of the threaded hole (22) in the first projecting plate (17) of the lever arm (7) and the second projecting plate (20) on the body (1).

No. of Pages: 19 No. of Claims: 1

(21) Application No.1990/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 20/06/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : MICROBES WITH AN IMPROVED ABILITY TO PRODUCE ORNITHINE AND METHOD FOR PRODUCING ORNITHINE USING SAME

(51) International classification:C12N1/21,C12N15/74,C12P13/10 (71)Name of Applicant: (31) Priority Document No :1020100124866 1)CJ CHEILJEDANG CORPORATION Address of Applicant :292 Ssangnim dong Jung gu Seoul 100 (32) Priority Date :08/12/2010 (33) Name of priority country :Republic of Korea 400 Republic of Korea (86) International Application (72)Name of Inventor: :PCT/KR2011/009477 No 1)CHOI Hyang :08/12/2011 Filing Date 2)LEE Kyoung Min (87) International Publication 3)KANG Min Sun :WO 2012/077994 4)JHON Sung Hoo 5)UM Hye Won (61) Patent of Addition to :NA **Application Number** 6)CHOI Su Jin :NA Filing Date 7)LEE Han Won (62) Divisional to Application 8)SHIN Soo An :NA Number :NA Filing Date

#### (57) Abstract:

The present invention relates to microbes with an improved ability to produce ornithine and a method for producing ornithine using the microbes by: blocking a biosynthetic pathway from ornithine to arginine; increasing the amount of glutamate within a cell; and enhancing the activity of the biosynthetic pathway which produces ornithine from glutamate.

No. of Pages: 45 No. of Claims: 11

(21) Application No.243/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application:03/02/2014

(43) Publication Date: 11/04/2014

# (54) Title of the invention: AUTOMATIC RECONSTITUTION FOR DUAL CHAMBER SYRINGE

(51) International classification	:A61M5/00	(71)Name of Applicant :
(31) Priority Document No	:61/530,765	1)UNITRACT SYRINGE PTY LTD
(32) Priority Date	:02/09/2011	Address of Applicant :Suite 3, Level 11, 1 Chifley Square,
(33) Name of priority country	:U.S.A.	Sydney, New South Wales 2000 AUSTRALIA
(86) International Application No	:PCT/AU2012/001029	(72)Name of Inventor:
Filing Date	:31/08/2012	1)ADLON, Katlin M.
(87) International Publication No	:WO 2013/029113	2)WEAVER, Philip, A.
(61) Patent of Addition to Application	:NA	3)DUNGAR, Peter J.
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

An automatic mixing device, an actuating device removably mounted to the automatic mixing device and a retractable syringe having the automatic mixing device are provided. The actuating device has an initially compressed spring and a trigger member that initiates spring decompression to drive depression of a mixing plunger of the automatic mixing device. A seal located in the outer chamber is capable of axial movement upon depression of the mixing plunger, from a first position in sealing engagement with one or more apertures in an inner barrel to a second position intermediate the apertures and vents in an outer barrel. This allows depression of the mixing plunger to force a first substance from the outer chamber through the apertures to mix with a second substance in an inner chamber of the inner barrel. The mixed substance in the inner barrel is then delivered by the syringe with subsequent needle retraction.

No. of Pages: 45 No. of Claims: 33

(21) Application No.279/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/02/2014

(43) Publication Date: 11/04/2014

# (54) Title of the invention : MOBILE ASSAY FACILITY AND METHOD OF USING SAME TO PROCURE AND ASSAY PRECIOUS METALS.

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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) Privide and to Application Number</li> </ul>	:13/136,811 :11/08/2011 :U.S.A. :PCT/US2011/066807 :22/12/2011 :WO 2013/022473 :NA	(71)Name of Applicant: 1)NOYES, Chris M. Address of Applicant:1129 Eagle Way, Virginia Beach, VA 23456 (US). U.S.A. (72)Name of Inventor: 1)NOYES, Chris M.
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

A self contained, mobile assay facility built in a modified armored truck is completely equipped to smelt and assay precious metals, particularly gold and silver. An induction furnace melts the metal that is then poured into an ingot. The ingot is weighed and analyzed using an XRF alloy analyzer and the percentage of gold and/or other metals recorded. The value of the gold at current market prices is calculated and the assay and the value of the ingot is printed and given to the seller. The seller may opt to receive the ingot and pay the assayer an assay fee. Alternately, the seller may ask to be paid cash or by wire transfer that may be initiated and confirmed from within the mobile assay facility. The ingots may be safely stored or shipped directly from the mobile facility to a wholesaler for further processing.

No. of Pages: 36 No. of Claims: 20

(21) Application No.1925/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/06/2013 (43) Publication Date: 11/04/2014

### (54) Title of the invention: AN APPARATUS FOR REMOVAL OF IONS COMPRISING MULTIPLE STACKS

(51) International :C02F1/469,B01D61/50,C02F1/461

classification

:2005799 (31) Priority Document No (32) Priority Date :01/12/2010 (33) Name of priority country: Netherlands

(86) International Application :PCT/NL2011/050821

No :30/11/2011

Filing Date

(87) International Publication: WO 2012/074397

(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)VOLTEA B.V.

Address of Applicant: 24, WASBEEKERLAAN, NL-2171 AE

SASSENHEIM THE NETHERLANDS

(72)Name of Inventor:

1)VAN DER WAL, ALBERT

2) REINHOUDT, HANK ROBERT

3) VERBEEK, DIEDERIK GEERT FEMME

4)KOUTERS, LUCAS JOHANNES CORNELIS

#### (57) Abstract:

The invention relates to an apparatus for removal of ions from water. A stack may be manufactured by: providing a first electrode with a first current collector; providing a spacer on top of the first electrode; and providing a second electrode on top of the spacer. The stack may be provided with a tray for holding and positioning the stack within a housing of the apparatus improving the manufacturability of the apparatus.

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

(21) Application No.2014/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/06/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : COMPOSITIONS AND METHODS FOR TREATMENT IN BROAD SPECTRUM UNDIFFERENTIATED OR MIXED CLINICAL 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Numbe</li> </ul>	:21/11/2011 :WO 2012/071346 :NA :NA	(71)Name of Applicant: 1)PANTHERYX INC. Address of Applicant:5541 Central Avenue West #270 Boulder CO 80301 U.S.A. (72)Name of Inventor: 1)STARZL Timothy W.
(62) Divisional to Application Numbe Filing Date	r :NA :NA	

#### (57) Abstract:

The disclosure provides improved compositions and methods for passive immunization. In embodiments, a composition comprising a synergistic combination of specific polyclonal antibodies in a carrier matrix is provided. The disclosure provides effective, economical compositions and methods for the treatment of diarrhea and enteric infections in broad-spectrum, undifferentiated, or mixed clinical applications.

No. of Pages: 81 No. of Claims: 31

(21) Application No.245/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/02/2014

(43) Publication Date: 11/04/2014

# (54) Title of the invention : REDUCTION OF CARBON DIOXIDE TO CARBOXYLIC ACIDS, GLYCOLS, AND CARBOXYLATES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C25B3/04 :61/504,848 :06/07/2011 :U.S.A. :PCT/US2012/045578 :05/07/2012 :WO 2013/006711 :NA :NA	(71)Name of Applicant:  1)LIQUID LIGHT, INC. Address of Applicant:11 Deer Park Drive Suite 121  Monmouth Junction, NJ 08852 U.S.A. (72)Name of Inventor: 1)COLE, Emily, Barton 2)TEAMEY, Kyle 3)BOCARSLY, Andrew, B. 4)SIVASANKAR, Narayanappa
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#### (57) Abstract:

Methods and systems for electrochemical conversion of carbon dioxide to carboxylic acids, glycols, and carboxylates are disclosed. A method may include, but is not limited to, steps (A) to (D). Step (A) may introduce water to a first compartment of an electrochemical cell. The first compartment may include an anode. Step (B) may introduce carbon dioxide to a second compartment of the electrochemical cell. The second compartment may include a solution of an electrolyte and a cathode. Step (C) may apply an electrical potential between the anode and the cathode in the electrochemical cell sufficient to reduce the carbon dioxide to a carboxylic acid intermediate. Step (D) may contact the carboxylic acid intermediate with hydrogen to produce a reaction product.

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

(21) Application No.2680/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/09/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: POWER GENERATION UNIT DRIVER, POWER GENERATION UNIT AND ENERGY OUTPUT EQUIPMENT IN POWER GRID

(51) International classification :H02J3/32,H02M5/38,H02J3/38 (71)Name of Applicant :

(31) Priority Document No :201110059905.2

(32) Priority Date :11/03/2011 (33) Name of priority country :China

(86) International Application No :PCT/EP2012/054128

Filing Date :09/03/2012 (87) International Publication No: WO 2012/123365

(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 München

GERMANY

(72)Name of Inventor:

1)LI, Jing 2)LIAO, Hua 3)ZHANG, Jing Wei 4)LIU, Xin Hua

#### (57) Abstract:

Disclosed in the present invention are a power generation unit driver a power generation unit and energy output equipment in a power grid. The power generation unit driver includes a drive controller for generating a drive signal according to a first control signal and a second control signal obtained thereby a converter for transforming the input energy from a first voltage into a second voltage according to said drive signal and outputting the same to an electric motor connected to said power generation unit driver wherein said first control signal is running condition information of said electric motor and said second control signal includes the power grid frequency and/or the voltage amplitude of said power grid. The solution provided in the present invention can produce improved effects on the stability of power supply by a power grid.

No. of Pages: 51 No. of Claims: 17

(21) Application No.2808/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/09/2013 (43) Publication Date: 11/04/2014

### (54) Title of the invention: METHOD FOR PRODUCING A FILM HAVING LUMINESCENT PARTICLES

(51) International :C09K11/06,G02B27/01,B32B17/06

classification

(31) Priority Document No :11162567.9 (32) Priority Date :15/04/2011

(33) Name of priority country: EPO

(86) International Application: PCT/EP2012/052338

No :10/02/2012 Filing Date

(87) International Publication :WO 2012/139788

(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)SAINT-GOBAIN GLASS FRANCE

Address of Applicant: 18 avenue d'Alsace, 92400 Courbevoie,

**FRANCE** 

(72)Name of Inventor:

1)LABROT Michael 2)Monique ELMER

3) Jean SABLAYROLLES

4)Frédéric CLABAU

#### (57) Abstract:

The invention relates to a method for producing a film having luminescent particles wherein a) a thermoplastic (1) and a luminescent pigment (2) containing a hydroxyalkyl terephthalate of the formula: R1-COO-P(OH)x-COO-R2, where R1, R2 is an alkyl, aryl, or allyl residue having 1 to 10 C atoms, P is a phenyl ring, OH is a hydroxyl group attached to the phenyl ring and x is a whole number from 1 to 4, are mixed and a thermoplastic mixture (3) is obtained; and b. the thermoplastic mixture (3) is homogenized at 150 °C to 200 °C in an extruder (4), and by way of an extrusion nozzle (12) of the extruder (4), a thermoplastic film (5) is obtained.

No. of Pages: 15 No. of Claims: 16

(21) Application No.1146/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :05/10/2012

(43) Publication Date: 11/04/2014

### (54) Title of the invention: METHOD AND APPARATUS FOR WIRELESS COMMUNICATION

:H04B11/00	(71)Name of Applicant :
:NA	1)SIEMENS AKTIENGESELLSCHAFT
:NA	Address of Applicant :WITTELSBACHERPLATZ 2 80333
:NA	MÜNCHEN GERMANY
:NA	(72)Name of Inventor:
:NA	1)VARUN A V
: NA	
:NA	
:NA	
:NA	
:NA	
	:NA :NA :NA :NA :NA : NA :NA :NA

#### (57) Abstract:

The invention relates to a method and an apparatus for receiving information from a transmitter system (15) in a wireless communication system (10), wherein the transmitter system (15) transmits a signal (45) with a timely modulated frequency, wherein the modulation of the frequency corresponds to the information, wherein the method comprises-receiving the signal (45) having the timely modulated frequency, tuning to a plurality of discrete frequencies at a plurality of different time instances and estimating a strength of the signal (45) corresponding to the plurality of discrete frequencies, and reconstructing a tuning frequency of the transmitter system (15) responsive to the plurality of discrete frequencies and the respective strength of the signal (45) as a function of time.

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

(21) Application No.1148/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :05/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention: EXHAUST HEAT REUSE AND TRANSFERRING DEVICE.

(51) International classification	:F01N5/02	(71)Name of Applicant :
(31) Priority Document No	:NA	1)RUI-QI TONG
(32) Priority Date	:NA	Address of Applicant :NO.51, LANE 685, FUYA RD.,
(33) Name of priority country	:NA	XITUN DIST., TAICHUNG CITY 40762, TAIWAN, R.O.C.
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)RUI-QI TONG
(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 exhaust heat reuse and transferring device includes a first heat-exchange pipe (11) which is connected to an inflation valve (14) and a steam pressure buffering member (12) is connected between the inflation valve (14) and a second heat-exchange pipe (13). The second heat-exchange pipe (13) is connected to a nozzle (30). A water tank (20) is connected to the first heat-exchange pipe (11) by a pump (21) and provides the agent for heat exchange with an exhaust pipe (10). The exhaust air with high temperature exchanges thermo energy with the water to form steam which is ejected from the nozzle (30). The nozzle (30) is connected with power generation device to generate energy.

No. of Pages: 10 No. of Claims: 3

(21) Application No.1148/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :04/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : METHOD AND APPARATUS FOR PERFORMING PRESET OPERATION MODE USING VOICE RECOGNITION

<ul><li>(51) International classification</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>	:G10L 15/00 :10-2012- 0111402 :08/10/2012 :Republic of Korea :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)SUNG-JOON WON
Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number	:NA : NA :NA :NA :NA	
Filing Date	:NA	

### (57) Abstract:

A method and apparatus of performing a preset operation by using voice recognition are provided. The method includes performing the preset operation of a preset operation mode according to a key input or a touch input in the preset operation mode; and recognizing an input voice during performance of the preset operation of the preset operation mode and assisting the performance of the preset operation according to the recognized voice.

No. of Pages: 49 No. of Claims: 15

(21) Application No.2607/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :26/08/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: ANTI IL 6 RECEPTOR ANTIBODIES AND METHODS OF USE

(51) International classification	:C07K16/28,C12N15/13,A61K39/395	(71)Name of Applicant: 1)APEXIGEN INC.
(31) Priority Document No	:61/449005	Address of Applicant :863 Mitten Road Suite 103 Burlingame
(32) Priority Date	:03/03/2011	CA 94070 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor : 1)LEE Sum Wai Pierre
(86) International Application No Filing Date	:PCT/US2012/026954 :28/02/2012	2)KE Yaohuang 3)ZHANG Yongke
(87) International Publication No	:WO 2012/118813	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention provides anti IL 6R monoclonal antibodies and related compositions which may be used in any of a variety of therapeutic methods for the treatment of rheumatoid arthritis and other diseases.

No. of Pages: 96 No. of Claims: 45

(21) Application No.286/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 10/02/2014

(43) Publication Date: 11/04/2014

# (54) Title of the invention: CUTTING INSERT, CUTTING BODY AND CLAMPING MECHANISM OF A CUTTING TOOL ASSEMBLY FOR CHIP REMOVAL

(51) International classification: B23C5/08,B23B27/04,B23B27/08 (71) Name of Applicant: (31) Priority Document No :61/536,285

:WO 2013/042127

(32) Priority Date :19/09/2011 (33) Name of priority country :U.S.A.

(86) International Application :PCT/IL2012/050400

No

:10/10/2012 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)ISCAR LTD.,

Address of Applicant :P.O. Box 11, 24959 Tefen, ISRAEL

(72)Name of Inventor:

1)HECHT, Gil

### (57) Abstract:

A cutting insert (14) is formed with an insert aperture (32) opening out to insert top and bottom surfaces (14A, 14B) of the cutting insert (14). In a plan view of the insert top surface (14A), the cutting insert (14) and the insert aperture (32) both have oblong shapes which are elongated along a common insert longitudinal axis (AIL). The aperture (32) includes first and second side surfaces (32A1, 32A2) which each extend along the insert longitudinal axis (AIL), and aperture first and second end surfaces (32B 1, 32B2) which each extend transverse relative to the insert longitudinal axis (AIL). At least one of the aperture first and second end surfaces (32B 1, 32B2) is formed with a clamping lip (32C1, 32C2).

No. of Pages: 38 No. of Claims: 36

(21) Application No.1142/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :03/10/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: ABNORMALITY MONITORING APPARATUS FOR ELEVATOR

(51) International classification	:B66B 5/00	(71)Name of Applicant:
(31) Priority Document No	:2012- 223531	1)HITACHI BUILDING SYSTEMS CO., LTD. Address of Applicant :2-101, KANDA-AWAJI-CHO,
(32) Priority Date	:05/10/2012	CHIYODA-KU, TOKYO 101-8941 JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor:
(86) International Application No	:NA	1)TAKUYA KUNISADA
Filing Date	:NA	2)SHINICHIRO YAMAGUCHI
(87) International Publication No	: NA	3)RYOUICHI SAKAI
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

[Problem] To improve the accuracy of detection of abnormal behavior of a passenger inside a car. [Solution] An abnormality monitoring apparatus for an elevator has an operation control device 12 which controls a car 1; an informing device 5 which informs any passenger inside the car 1 of an announcement; an imaging device 2 which takes images of the inside of the car 1; and an abnormal behavior detection device 7 which detects passengers 11A and 11B in video images taken by the imaging device 2 and which detects abnormal behavior of any of the passengers; a vibration device 9 which detects abnormal vibration of a floor of the car 1; and an abnormal behavior time counting device 8 which counts a continuous detection time of the abnormal behavior detected by the abnormal behavior detection device 9 and the continuous detection time counted by the abnormal behavior time counting device 8 exceeds a predetermined time, the operation control device 12 performs at least one of control over the informing device 5 and control over the car 1 as a process concerned with prevention of the abnormal behavior.

No. of Pages: 26 No. of Claims: 3

(21) Application No.1327/KOLNP/2013 A

Address of Applicant :4th Floor, Digital World Centre, 1

Lowry Plaza, Salford, Manchester M50 3UB, U.K.

(71)Name of Applicant:

1)2ERGO LIMITED

(72)Name of Inventor:

1)PRIYASANTHA, Ariya

(19) INDIA

(22) Date of filing of Application :03/05/2013 (43) Publication Date: 11/04/2014

### (54) Title of the invention: ELECTRONIC TRANSACTION METHOD AND SYSTEM

(51) International :G06Q20/00,G06Q30/00,H04W4/04

classification

(31) Priority Document No

:1016674.2 :04/10/2010

(32) Priority Date (33) Name of priority country: U.K.

(86) International Application: PCT/GB2011/051888

No

:04/10/2011

Filing Date

(87) International Publication :WO 2012/046043

(61) Patent of Addition to

:NA

Filing Date

**Application Number** 

:NA

Number

(62) Divisional to Application:NA

Filing Date

:NA

### (57) Abstract:

A consumer who has a token incorporating a transaction code on their Smartphone (20) brings their Smartphone (20) to a retail location equipped with a transaction module (30). When purchasing an article, a connection is established between the Smartphone (20) and the transaction module (30). Once the connection is established, the transaction module transmits its identity code to the Smartphone (20). The Smartphone (20) subsequently runs the transaction code and identity code through the authentication algorithm. If the codes are authenticated, the Smartphone (20) sends an authentication signal to transaction module (30) and a transaction report to transaction server (10). Upon receipt of the authentication signal the transaction module (30) can output a corresponding validity indication in response. The above method therefore enables anyretailer possessing a transaction module (30) to process an electronic transaction without directly altering the retailers system (50). This therefore provides a simpler and potentially cheaper way of implementing electronic transactions at a wide variety of unrelated retail outlets.

No. of Pages: 56 No. of Claims: 57

(21) Application No.263/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/02/2014

(43) Publication Date: 11/04/2014

### (54) Title of the invention: DIPHOSPHINE LIGAND AND TRANSITION METAL COMPLEX USING THE SAME

(51) International classification :C07F 9/50 (71)Name of Applicant: (31) Priority Document No :2005-272599 1)TAKEDA PHARMACEUTICAL COMPANY LIMITED (32) Priority Date :20/09/2005 Address of Applicant: 1-1, DOSHOMACHI 4-CHOME, (33) Name of priority country :Japan CHUO-KU, OSAKA-SHI, OSAKA 541-0045, JAPAN (86) International Application No :PCT/JP2006/319095 (72)Name of Inventor : 1)YAMANO MITSUHISA Filing Date :20/09/2006 (87) International Publication No :WO 2007/034975 2)GOTO, MITSUTAKA (61) Patent of Addition to Application 3)KAWAGUCHI, SHINJI :NA Number 4)YAMADA, MASATOSHI :NA Filing Date 5)KAWAKAMI, JUN-ICHI (62) Divisional to Application Number :1384/KOLNP/2008 Filed on :04/04/2008

# (57) Abstract:

A compound represented by the formula wherein R4a is a hydrogen atom or a C1-6 alkyl group optionally having substituent (s), and R5a and R6a are each a C1-6 alkyl group optionally having substituent (s), or the formula is a group represented by the formula wherein ring B is a 3- to 8-membered ring optionally having substituent (s), provided that bis (4-dimethylaminophenyl) phosphine-borane complex is excluded, or a salt thereof.

No. of Pages: 86 No. of Claims: 2

(21) Application No.289/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :10/02/2014 (43) Publication Date : 11/04/2014

### (54) Title of the invention: PHARMACEUTICAL COMPOSITION FOR TREATMENT AND/OR PROPHYLAXIS OF CANCER

(51) International (71)Name of Applicant: :C12N15/09,A61K39/395,A61P35/00 classification 1)TORAY INDUSTRIES, INC. (31) Priority Document No :2011-171300 Address of Applicant: 1-1, Nihonbashi Muromachi 2-chome, Chuo-ku, Tokyo 103-8666, JAPAN (32) Priority Date :04/08/2011 (72)Name of Inventor: (33) Name of priority :Japan 1)OKANO Fumiyoshi country (86) International 2)KOBAYASHI Shinichi :PCT/JP2012/069862 3)MINAMIDA Yoshitaka Application No :03/08/2012 Filing Date 4)SAITO Takanori (87) International :WO 2013/018894 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 provides an antibody that targets a cancer antigen protein that is specifically expressed on the surface of a cancer cell, and the use of the antibody as an agent for the treatment and/or prophylaxis of cancer. More specifically, the present invention provides: an antibody, or a fragment thereof, that has immunological reactivity with a CAPRIN-1 partial polypeptide comprising an amino acid sequence represented by SEQ ID NO: 5 or an amino acid sequence having greater than or equal to 80% sequence identity with said amino acid sequence; and a pharmaceutical composition for the treatment and/or prophylaxis of cancer, the pharmaceutical composition being characterized by containing the aforementioned antibody or fragment as an active ingredient.

No. of Pages: 121 No. of Claims: 17

(21) Application No.1139/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :05/10/2012

(43) Publication Date: 11/04/2014

# (54) Title of the invention : A DIP STICK COLORIMETRIC SENSOR FOR DETECTION OF ARSENATE IN DRINKING WATER

(51) International classification	:G01N1/30	(71)Name of Applicant:
(31) Priority Document No	:NA	1)SARKAR PRIYABRATA
(32) Priority Date	:NA	Address of Applicant :FLAT -2A, 68A MOTILAL NEHRU
(33) Name of priority country	:NA	ROAD, KOLKATA-700029, WEST BENGAL, INDIA
(86) International Application No	:NA	2)UNIVERSITY OF CALCUTTA
Filing Date	:NA	(72)Name of Inventor:
(87) International Publication No	: NA	1)SARKAR PRIYABRATA
(61) Patent of Addition to Application Number	:NA	2)DAS JOYATI
Filing Date	:NA	3)PANDA JIGISHA
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present invention discloses a cost effective and easy to use kit for detection of arsenate (As(V)) in ppb level in drinking water. The kit comprising of dipstick colorimetric sensor made of plastic detector strips which are coated with coloring reagent-polymer hydrogel coating. The said plastic detector strip coated with the reagent polymer coating when dipped into 20 ml of arsenic contaminated water in presence of an organic acid, it turned into blue color within a short time. The resulting blue color intensity in the detector strip indicates the level of arsenate (As(V)) contaminant in drinking water. The present invention is also directed to use of the present kit in preventing harmful effects in human caused from drinking arsenic contaminated water.

No. of Pages: 12 No. of Claims: 10

(21) Application No.258/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/02/2014

(43) Publication Date: 11/04/2014

# (54) Title of the invention: NOVEL PHOSPHONAMIDATES-SYNTHESIS AND FLAME RETARDANT 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:11176861.0 :08/08/2011 :EPO :PCT/EP2012/003354 :06/08/2012 :WO 2013/020696 :NA :NA	(71)Name of Applicant:  1)EMPA EIDGENÖSSISCHE MATERIALPRÜFUNGS- UND FORSCHUNGSANSTALT  Address of Applicant: Uberlandstrasse 129 CH-8600  Dübendorf SWITZERLAND  2)FRITZ NAUER AG  (72)Name of Inventor:  1)GAAN, Sabyasachi  2)NEISIUS, Matthias  3)MERCOLI, Primo  4)LIANG, Shuyu  5)MISPREUVE, Henri  6)NÄSCHER, Reinold
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### (57) Abstract:

The invention relates to a group of novel compounds containing one or more amino substituted DOPO (9,10-dihydro-9-oxa-phosphaphenthren-10-oxide) moieties. The compounds were found to have good flame retardant properties and also good thermal stability, which makes them particularly suitable as flame retardant additives for various thermoplastic polymers. In particular, they can be incorporated in a polyurethane foam.

No. of Pages: 53 No. of Claims: 15

(21) Application No.2915/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: ELECTRICAL TRANSMISSION CABLES WITH COMPOSITE CORES

		(71)Name of Applicant:
(51) International classification	:H01B5/10,B29C70/52	1)SOUTHWIRE COMPANY
(31) Priority Document No	:61/474423	Address of Applicant :One Southwire Drive CarrolIton GA
(32) Priority Date	:12/04/2011	30119 4400 U.S.A.
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/US2012/033077	1)DANIEL Allan
Filing Date	:11/04/2012	2)SPRINGER Paul
(87) International Publication No	:WO 2012/142129	3)HAWIG Yuhsin
(61) Patent of Addition to Application	:NA	4)LANCASTER Mark
Number		5)EASTEP David W.
Filing Date	:NA	6)NELSON Sherri M.
(62) Divisional to Application Number	:NA	7)TIBOR Tim
Filing Date	:NA	8)REGAN Tim
-		9)WESLEY Michael L.

# (57) Abstract:

The present invention discloses electrical cables containing a cable core and a plurality of conductive elements surrounding the cable core. The cable core contains at least one composite core and each composite core contains a rod which contains a plurality of unidirectionally aligned fiber rovings embedded within a thermoplastic polymer matrix and surrounded by a capping layer.

No. of Pages: 71 No. of Claims: 112

(21) Application No.2916/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : PROCESS FOR THE PREPARATION OF THE MONOMER PENTABROMOBENZYL ACRYLATE AND POLYMERIZATION 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>	:C08F120/22,C07C69/54 :61/475234 :14/04/2011 :U.S.A. :PCT/IL2012/000154 :05/04/2012 :WO 2012/140649 :NA	(71)Name of Applicant:  1)BROMINE COMPOUNDS LTD.  Address of Applicant: P.O.Box 180 84101 Beer Sheva Israel (72)Name of Inventor:  1)OREN Jacob
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a process for preparing pentabromobenzyl acrylate through the reaction of pentahalobenzyl halide with a salt of acrylic acid in water immiscible solvent wherein said salt is in aqueous form and the reaction is carried out in the presence of a phase transfer catalyst. A process for polymerizing the pentabromobenzyl acrylate in halogenated aromatic solvent and the poly (pentabromobenzyl acrylate) obtained are also disclosed.

No. of Pages: 41 No. of Claims: 19

(21) Application No.2917/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application:04/10/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: ORGANIC COMPOUND AND PHOTOVOLTAIC DEVICE COMPRISING THE SAME

:H01L51/42,H01L51/00 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/451593 1)CRYSCADE SOLAR LIMITED (32) Priority Date :10/03/2011 Address of Applicant: 2 4 Arch. Makariou III Avenue Capital (33) Name of priority country :U.S.A. Center 9th Floor Nicosia 1065 Cyprus (72)Name of Inventor: (86) International Application No :PCT/US2012/028137 1)KHOKHLOV Pavel Filing Date :07/03/2012 (87) International Publication No :WO 2012/122312 2)LAZAREV Pavel (61) Patent of Addition to Application 3)NOKEL Alexey :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

The present invention provides a organic compound of the general structural formula I and photovoltaic device and photovoltaic layer comprising a compound of general formula I. Said organic compound forms rod like supramolecules and absorbs electromagnetic radiation in at least one predetermined spectral subrange within a wavelength range from 400 to 3000 nm with excitation of electron hole pairs. The polycyclic core Cor<sub>1</sub>, the bridging group B and the polycyclic core Cor<sub>2</sub> form a molecular system selected from the list comprising donor bridge acceptor bridge donor and acceptor bridge donor bridge acceptor in which a dissociation of excited electron hole pairs is carried out. A solution of the organic compound or its salt forms a solid photovoltaic layer on a substrate.

No. of Pages: 54 No. of Claims: 49

(21) Application No.1163/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/04/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD AND APPARATUS FOR EFFICIENT FEEDBACK IN A WIRELESS COMMUNICATION SYSTEM THAT SUPPORTS MULTIPLE ANTENNAS

(51) International classification: H04B7/04,H04L27/26,H04L1/06 (71) Name of Applicant:

(31) Priority Document No :61/387,472 (32) Priority Date :29/09/2010 (33) Name of priority country :U.S.A.

(86) International Application :PCT/KR2011/007188

No

:29/09/2011 Filing Date

(87) International Publication

:WO 2012/044088 (61) Patent of Addition to

 $\cdot NA$ **Application Number** :NA Filing Date

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

1)LG ELECTRONICS INC.

Address of Applicant :20 Yeouido-dong, Yeongdeungpo-gu

Seoul 150-721 REPUBLIC OF KOREA

(72)Name of Inventor:

1)KO, Hyunsoo 2)CHUNG, Jaehoon

3) HAN, Seunghee

4)LEE, Moonil

#### (57) Abstract:

The present invention relates to a wireless communication system and more particularly to a method and apparatus for efficient feedback in a wireless communication system that supports multiple antennas. The method for transmitting a CSI for downlink multi carrier transmission according to one embodiment of the present invention comprises the following steps: generating a CSI which contains CQIs calculated on the basis of precoding information determined by a rank indicator (RI) a first PMI a second PMI and/or a combination of the first and second PMIs for one or more downlink carriers; determining the CSI to be transmitted based on priority if two or more CSIs collide against each other in one uplink subframe on one uplink carrier; and transmitting the determined CSI through an uplink channel. The CSIs are classified into a first group including an RI a second group including a first wideband PMI a third group including a wideband CQI and a fourth group including a sub band CQI. If the CSI in the first group or the CSI in the second group collides against the CSI in the third group or the CSI in the fourth group the CSI in the third group or in the fourth group may be suppressed due to the lower priority thereof.

No. of Pages: 185 No. of Claims: 16

(21) Application No.244/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/02/2014

(43) Publication Date: 11/04/2014

### (54) Title of the invention: HEMODIALYSIS SYSTEM HAVING A FLOW PATH WITH A CONTROLLED COMPLIANT **VOLUME**

(51) International classification: A61M1/34,A61M1/16,A61M1/38 (71)Name of Applicant:

:WO 2013/019994

(31) Priority Document No :61/514,469 :02/08/2011 (32) Priority Date

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

(86) International Application

:PCT/US2012/049398 No :02/08/2012

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)MEDTRONIC, INC.

Address of Applicant: 710 Medtronic Parkway N.E.,

Minneapolis, MN 55432 U.S.A.

(72)Name of Inventor:

1) KELLY, Thomas, D.

2)LYU, Suping

3) PUDIL, Bryant, J.

4) MEYER, Thomas, E.

#### (57) Abstract:

Systems and methods for the performance of kidney replacement therapy having or using a dialyzer, control components, sorbent cartridge and fluid reservoirs configured to be of a weight and size suitable to be worn or carried by an individual requiring treatment are disclosed. The system for performing kidney replacement therapy has a controlled compliance dialysis circuit, where a control pump controls the bi-directional movement of fluid across a dialysis membrane. The dialysis circuit and an extracorporeal circuit for circulating blood are in fluid communication through the dialysis membrane. The flux of fluid moving between the extracorporeal circuit and the dialysis circuit is modified by the rate at which the control pump is operating such that a rate of ultrafiltration and convective clearance can be controlled. The system provides for the monitoring of an inlet and outlet conductivity of the sorbent cartridge to provide a facility to quantify or monitor the removal of urea by the sorbent cartridge.

No. of Pages: 154 No. of Claims: 182

(21) Application No.280/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 10/02/2014 (43) Publication Date: 11/04/2014

# (54) Title of the invention: DYNAMIC SPECTRUM ACCESS FOR NETWORKED RADIOS

(51) International classification	:H04W16/14	(71)Name of Applicant:
(31) Priority Document No	:13/206,959	1)RAYTHEON COMPANY
(32) Priority Date	:10/08/2011	Address of Applicant :870 Winter Street, Waltham, MA 02451
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2012/049705	(72)Name of Inventor:
Filing Date	:06/08/2012	1)HOCHSTEDLER, Jeremy, H.
(87) International Publication No	:WO 2013/022817	2)HARDIN, James, E.
(61) Patent of Addition to Application	:NA	3)SNODGRASS, Brian, W.
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A dynamic spectrum access method for cooperative wireless devices. In one example, a method of establishing a wireless network includes scanning and analyzing a selected frequency band to detect non-cooperative signals within the selected frequency band, determining whether a waveform including one or more radio frequency (RF) carriers and a plurality of intermodulation tones (for multi-carrier waveforms) can be placed within the selected frequency band without interfering with any detected non-cooperative signals, and selecting transmit frequencies for the plurality of RF carriers responsive to obtaining a non-interfering waveform placement solution.

No. of Pages: 36 No. of Claims: 20

(21) Application No.2939/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/10/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: METHOD DEVICE AND SYSTEM FOR PHYSICAL LAYER STATUS SYNCHRONIZATION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:28/02/2012 :WO 2012/146082 :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang District Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)CHEN Jun
(61) Patent of Addition to Application		
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The present invention relates to the technical field of communication. Disclosed are a method device and system for physical layer characteristic status synchronization; the method comprises: receiving related information of a first characteristic reported by a terminal; judging whether the terminal is a terminal with a physical layer in a specified status after updating an RRC layer configuration corresponding to the first characteristic; notifying a node base station (NodeB) to control the physical layer status of a reconfigured first characteristic according to whether the physical layer has a specified status after the terminal updated the RRC layer configuration corresponding to the first characteristic or notifying the NodeB to control the physical layer status of the first characteristic or not according to whether the physical layer has a specified status after the terminal updated the RRC layer configuration corresponding to the first characteristic. An SRNC comprising a receiving module a judging module and a notification module. A NodeB comprising a receiving module and a processing module. The system comprises an SRNC and a NodeB. The present invention realizes the synchronization of the first characteristic physical layer status of a network side and a terminal after the terminal updated an RRC layer configuration corresponding to the first characteristic.

No. of Pages: 47 No. of Claims: 23

(21) Application No.2940/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/10/2013 (43) Publication Date : 11/04/2014

(54) Title of the invention: FILTERING APPARATUS

(51) International classification:B01D29/52,B01D29(31) Priority Document No:10 2011 100 518.1(32) Priority Date:05/05/2011(33) Name of priority country:Germany

(86) International Application No :PCT/EP2012/001773 Filing Date :26/04/2012

(87) International Publication No :WO 2012/150011 (61) Patent of Addition to Application

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

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

:B01D29/52,B01D29/66 (71)Name of Applicant :

1)HYDAC PROCESS TECHNOLOGY GMBH

Address of Applicant :Industriegebiet Grube König Am

Wrangelflöz 1 66538 Neunkirchen Germany

(72)Name of Inventor:

1)WNUK Ralf

2)GERSTNER Jörg Hermann 3)BÖTTCHER Thomas

4)MORAWIETZ Thomas

### (57) Abstract:

A filtering apparatus with a plurality of filtering elements (11) which can be accommodated in a filter housing (1) having a filter inlet (7) for fluid to be filtered and a filter outlet (9) for the filtered fluid wherein during the filtration operation at least one of the filtering elements (11) can be back flushed by means of a back flushing device (45 49) in order to dedust the effective filtering surface of said filtering element the back flushing device comprising a pressure control device (19) for assisting the back flushing operation is characterized in that the pressure control device comprises a hydraulic accumulator (19) the one fluid chamber (47) of which can be filled during the filtration operation with a quantity of dedusted fluid and can be connected for a back flushing operation via a back flushing guide (45) to the clean side (29) of the filtering element (11) to be dedusted and in that for a back flushing operation a further fluid chamber (48) of the hydraulic accumulator (19) can be subjected to a gas pressure in order by means of a resultant movement of the separating element (59) of the hydraulic accumulator (19) to at least partially again dispense the filling amount of the dedusted fluid for the back flushing operation from the first fluid chamber (47).

No. of Pages: 21 No. of Claims: 14

(21) Application No.2941/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/10/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: CONSTRUCTION MACHINE

<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>	:2011132347 :14/06/2011 :Japan :PCT/JP2012/062296 :14/05/2012 :WO 2012/172903 :NA :NA	1)Hitachi Construction Machinery Co. Ltd. Address of Applicant :5 1 Koraku 2 chome Bunkyo ku Tokyo 1120004 Japan (72)Name of Inventor: 1)KOBAYASHI Takahiro 2)NAKAMURA Tsuyoshi 3)SATO Kensuke 4)AZUMA Hiroyuki	1
S	:NA :NA		
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:PCT/JP2012/062296 :14/05/2012 :WO 2012/172903 :NA :NA	(72)Name of Inventor: 1)KOBAYASHI Takahiro 2)NAKAMURA Tsuyoshi 3)SATO Kensuke	

# (57) Abstract:

An operating oil tank (11) and a fuel tank (12) are arranged on the right front side of a rotating frame (5) for forming an upper rotating body (3). An equipment housing case (13) for forming a housing space (13A) therein is provided in front of both the operating oil tank (11) and the fuel tank (12). A control valve unit (20) which controls the supply and discharge of the operating oil and a urea aqueous solution tank (24) which stores a urea aqueous solution for removing nitrogen oxide contained in the exhaust gas of an engine (8) are arranged together within the housing space (13A) within the equipment housing case (13).

No. of Pages: 54 No. of Claims: 2

(21) Application No.2942/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 08/10/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: METHOD AND PROTECTIVE DEVICE FOR RECOGNISING A SYMMETRICAL SHORT CIRCUIT IN A MULTI PHASE ELECTRICAL POWER SUPPLY NETWORK

(51) International classification :H02H1/04,H02H7/26,H02J3/24 (71)Name of Applicant :

(31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA

(86) International Application No: PCT/EP2011/057287

Filing Date :06/05/2011

(87) International Publication No: WO 2012/152304 (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 München

Germany

(72)Name of Inventor:

1)BLUMSCHEIN Jörg 2)CLAUS Michael

3)HENN Volker

4) KEREIT Matthias 5)STEYNBERG Gustav

6)YELGIN Yilmaz

#### (57) Abstract:

The invention relates to a method for recognising a symmetrical short circuit in a power supply network wherein with a first protective device (15d) a first section (C) of the power supply network is monitored for a symmetrical short circuit and with a second protective device (15a) a second section (A) is monitored for a symmetrical short circuit wherein the second protective device (15a) is arranged as a reserve protective device so that when a symmetrical short circuit in the first section (C) is recognised after a predetermined lag time has elapsed it emits a shut off command to a power switch (14a) and wherein an oscillation recognition unit (24) is provided which emits an oscillating signal which blocks the emission of the shutoff command by the second protective device (15a) if an oscillation in the power supply network has been recognised. In order to provide a possible means by which external symmetrical short circuits can be disconnected independently of an occurring oscillation according to the invention in the case where the second protective device (15a) has recognised a symmetrical short circuit in the first section (C) before the oscillation recognition unit (24) has recognised an oscillation in the power supply network the shut off command is emitted independently of the presence of an oscillating signal if the lag time has elapsed.

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

(21) Application No.1934/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/06/2013 (43) Publication Date : 11/04/2014

### (54) Title of the invention: AN EVACUATED TUBE TRANSPORT SYSTEM

(51) International classification	:B61B13/10	(71)Name of Applicant:
(31) Priority Document No	:2010905504	1)DALRYMPLE, DAVID
(32) Priority Date	:16/12/2010	Address of Applicant :16 ROMILLY AVENUE,
(33) Name of priority country	:Australia	TEMPLESTOWE LOWER, VICTORIA 3107, AUSTRALIA
(86) International Application No	:PCT/AU2011/001604	(72)Name of Inventor:
Filing Date	:13/12/2011	1)DALRYMPLE, DAVID
(87) International Publication No	:WO 2012/079114	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A capsule for an evacuated tube transport system, the capsule comprising: a capsule body for carrying passengers within an evacuated tube; a first door disposed in a first end of the body; and a first coupling mechanism and a first sealing mechanism arranged respectively to couple the capsule to another capsule at the end of the body while the capsules are moving and to establish a seal around the door and a corresponding door in the other capsule to enable passengers to move from one capsule to another through the doors without exposing the passengers to the pressure of the evacuated tube.

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

(21) Application No.2126/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :28/06/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: SUPER SCHEDULING CONTROL CHANNEL

(51) International classification	:H04W72/04,H04W84/04	(71)Name of Applicant :
(31) Priority Document No	:NA	1)TELEFONAKTIEBOLAGET LM ERICSSON (publ)
(32) Priority Date	:NA	Address of Applicant :S 164 83 Stockholm Sweden
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:PCT/SE2010/051367	1)DE BRUIN Peter
Filing Date	:13/12/2010	2)HAGERMAN Bo
(87) International Publication No	:WO 2012/082023	3)LANDSTRÖM Sara
(61) Patent of Addition to Application	:NA	4)SIMONSSON Arne
Number	:NA	5)TIMUS Bogdan
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A method and arrangement for enabling communication of data between a UE and a first base station in a cellular communication network further comprising the second base station and the second base station is connected to the first base station via a communication interface A scheduling request is received 800 from the first base station. The scheduling request is based on a suggested scheduling which is determined by the first base station and the suggested scheduling concerns the communication of data. Scheduling information is determined 802 based on the scheduling request and the scheduling information is transmitted 804 to the UE. By determining a suggested scheduling in a micro base station but transmitting scheduling information from an overlaying macro base station local awareness of communication conditions may by applied and interferences from neighbouring micro base stations may be decreased.

No. of Pages: 48 No. of Claims: 31

(21) Application No.246/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/02/2014

(43) Publication Date: 11/04/2014

# (54) Title of the invention: CARBON DIOXIDE CAPTURE AND CONVERSION TO ORGANIC 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</li> </ul>	:61/504,828 :06/07/2011 :U.S.A.	(71)Name of Applicant:  1)LIQUID LIGHT, INC.  Address of Applicant:11 Deer Park Drive Suite 121  Monmouth Junction, NJ 08852 U.S.A.  (72)Name of Inventor:  1)LAKKARAJU, Prasad  2)TEAMEY, Kyle
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

Methods and systems for capture of carbon dioxide and electrochemical conversion of the captured carbon dioxide to organic products are disclosed. A method may include, but is not limited to, steps (A) to (C). Step (A) may introduce a solvent to a first compartment of an electrochemical cell. Step (B) may capture carbon dioxide with at least one of guanidine, a guanidine derivative, pyrimidine, or a pyrimidine derivative to form a carbamic zwitterion. Step (C) may apply an electrical potential between an anode and a cathode sufficient for the cathode to reduce the carbamic zwitterion to a product mixture.

No. of Pages: 26 No. of Claims: 21

(21) Application No.2686/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/09/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: CONSTRUCTION TOY

(51) International classification :A63H33/06,A63H33/04 (71)Name of Applicant : (31) Priority Document No :2011/0142 1)VANDOREN Rolf (32) Priority Date :28/02/2011 Address of Applicant : Koningin Astridlaan 55 BE 2550 (33) Name of priority country :Belgium Kontich Belgium (72)Name of Inventor: (86) International Application No :PCT/BE2012/000009 1)VANDOREN Rolf Filing Date :22/02/2012 (87) International Publication No :WO 2012/116419 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

Construction toy characterised in that it primarily consists of a set of construction elements of rods (1) with magnetic ends balls (2) and one or more preformed attachments (15) that can be suitably affixed to the rods (1) and which to this end have a fastening clip (18) with arms (19) of an elastic material that have at least one rib on each of the sides facing one another whereby the rods have a primarily octagonal cross section with diagonally opposite sides (8) that are linked together by other diametrically opposite sides (9) that each have a groove (10) in which the aforementioned ribs (21) can snap in place.

No. of Pages: 29 No. of Claims: 15

(21) Application No.2957/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/10/2013 (43) Publication Date: 11/04/2014

### (54) Title of the invention: IMPROVED EXERCISE APPARATUS

(51) International :A63B21/00,A63B21/062,A63B23/035

classification

(31) Priority Document No:1103990.6 (32) Priority Date :09/03/2011

(33) Name of priority :U.K.

country

(86) International

:PCT/GB2012/050504 Application No :07/03/2012

Filing Date

(87) International

:WO 2012/120299 Publication No

(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)MUJO MECHANICS LIMITED

Address of Applicant : Ugli Campus 56 Wood Lane London

W12 7SB U.K.

(72)Name of Inventor: 1)HIGGINS Douglas

(57) Abstract:

Muscle resistance apparatus comprising a framework at least one resistive force and a movable section. The movable section is linked to a resistive force wherein a first part of the movable section is attached to the framework by a connection whereby it can be temporarily displaced and a second part of the movable section is connected to the first part of the movable section by a second connection whereby it can be temporarily displaced. The first and second parts of the movable section are independently movable with respect to one another in an angular and/or linear fashion.

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

(21) Application No.1119/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :30/09/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: FLUID TURBINE FLOW METER WITH CENTERING BEARING

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:G01F 1/00 :1259619 :09/10/2012 :France :NA :NA	(71)Name of Applicant: 1)SAPPEL Address of Applicant:67, RUE DU RHNE- 68304, SAINT-LOUIS FRANCE (72)Name of Inventor: 1)DENNER, BRUNO
<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:

The invention relates to a Fluid turbine flow meter, comprising a measurement chamber (13), a turbine body (12) that is displaced axially, as a function of the fluid flow rates, between a high position and a low position in the measurement chamber (13) and having a rotation axis (14), a centering bearing (15) for the rotation axis (14) in the measurement chamber (13) that has a longitudinal body with a longitudinal passage (15a) supporting and passed through by the rotation axis (14), the rotation axis (14) pivoting by being held axially in the measurement chamber (13), by a first axial end stop (22) in the high position and by a second axial end stop (26) in the low position, the centering bearing (15) having, in the longitudinal passage (15a), at least two cylindrical longitudinal support centering walls for the rotation axis (14).

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

(21) Application No.1428/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/05/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: SLIDING ELEMENT, IN PARTICULAR A PISTON RING, HAVING A COATING

(51) International classification: C23C16/26,F16J9/26,C23C14/06 (71) Name of Applicant:

(31) Priority Document No :102010062114.5

(32) Priority Date :29/11/2010 (33) Name of priority country :Germany

(86) International Application :PCT/EP2011/070921

No :24/11/2011

Filing Date

(87) International Publication :WO 2012/072483

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

:NA Filing Date (62) Divisional to Application

:NA Number :NA Filing Date

(57) Abstract:

1)FEDERAL-MOGUL BURSCHEID GMBH

Address of Applicant : Bürgermeister-Schmidt-Str. 17, 51399

**Burscheid GERMANY** (72)Name of Inventor: 1)KENNEDY, Marcus 2)ZINNABOLD, Michael

The invention relates to a sliding element, such as a piston ring, comprising a coating on at least one surface comprising, from inside to outside, a bonding layer (10), a metal DLC layer (12) preferably containing tungsten, and a metal free DLC layer (14, 16) doped with nitrogen at least in some regions, wherein said sliding element is characterized in that the nitrogen content in the metal free DLC layer is graduated.

No. of Pages: 11 No. of Claims: 13

(21) Application No.267/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :07/02/2014

(43) Publication Date: 11/04/2014

### (54) Title of the invention: SELF-CALIBRATING DOSING DEVICE

:NA

(51) International classification :G01G11/08,G01G13/24 (71)Name of Applicant: (31) Priority Document No :10 2011 110 960.2 1)SCHENCK PROCESS GMBH (32) Priority Date :24/08/2011 Address of Applicant :Pallaswiesenstrasse 100 64293 (33) Name of priority country :Germany Darmstadt, GERMANY (86) International Application No :PCT/EP2012/003570 (72) Name of Inventor: Filing Date :23/08/2012 1)MIKULEC, Michal (87) International Publication No :WO 2013/026574 2) WEINAND, Robert (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA

# (57) Abstract:

Filing Date

The invention relates to a dosing device for bulk material having a dosing scale fastened to an outlet opening of a bulk material container. The dosing device comprises a motor-driven conveyor (20), extending substantially horizontally, which is designed to convey the bulk material from an entry region (24) to an exit region (25). The entry region (24) is arranged under the bulk material container (10, 11). The exit region (25) is supported on at least one first measurement device (27) which is arranged and designed to determine the weight load of the conveyor (20) by the bulk material. The conveyor (20) is attached in a free floating manner to the bulk material container (10) at the entry region (24) thereof.

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

(21) Application No.281/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 10/02/2014 (43) Publication Date: 11/04/2014

# (54) Title of the invention : STABILIZING OF ORGANIC MATERIAL WITH AMINO-TRIAZINE BASED MANNICH-COMPOUNDS

(51) International classification :C08K5/3492,C07D251/70,C07D401/12

(31) Priority Document

:11182450.4

No
(32) Priority Date

(32) Priority Date :23/09/2011

(33) Name of priority country :EPO

(86) International

Application No :PCT/EP2012/068474 :20/09/2012

Filing Date

(87) International :WO 2013/041592

Publication No

(61) Patent of Addition to
Application Number
:NA

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

Filing Date

(57) Abstract:

(71)Name of Applicant:

1)BOREALIS AG

Address of Applicant: Wagramer Strasse 17-19, A-1220

Vienna, AUSTRIA (72)Name of Inventor : 1)DICKE, René

2)MEINECKE, Andreas 3)PAULIK, Christian 4)BRETTERBAUER, Klaus 5)PUCHINGER, Helmut

6)WANG, Jingbo

7)SCHWARZINGER, Clemens

Use of one or more amino-triazine based Mannich- compounds and/or their dimers or trimers and/or one or more precondensate therefrom, including special new amino-triazine based Mannich-compounds, as antioxidant and/or UV-stabilizer for organic material, preferably for polymers; the stabilized material and use of the stabilized material.

No. of Pages: 81 No. of Claims: 18

(21) Application No.2954/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/10/2013 (43) Publication Date : 11/04/2014

(54) Title of the invention: IMMUNOASSAY

(51) International classification :G01N33/53,G01N33/68

(31) Priority Document No :1106478.9 (32) Priority Date :18/04/2011

(33) Name of priority country :U.K.

(86) International Application No
Filing Date
:PCT/GB2012/050846
:17/04/2012

(87) International Publication No :WO 2012/143709

(61) Patent of Addition to Application
Number
:NA

Filing Date

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

:G01N33/53,G01N33/68 (71)Name of Applicant :

1)MICROTEST MATRICES LIMITED

Address of Applicant :Bessemer Building Exhibition Road

South Kensington London SW7 2AZ U.K.

(72)Name of Inventor:

1)CRISANTI Andrea

2)MACCARI Mauro 3)BALDRACCHINI Francesca

# (57) Abstract:

The invention provides a method of quantifying multiple antigen specific immunoglobulins in a test sample the method comprising utilising a serial dilution of anti immunoglobulin antibodies fragments or derivatives thereof immobilised on a solid support in combination with a serial dilution of a reference sample of immunoglobulin to generate multiple binding capacity curves. Such binding capacity curves are matched to specific dose response curves generated for each specific antigen to be tested using serum samples of known reactivity to those antigens to provide a calibration system that enables more accurate analysis of antigen specific immunoglobulin in a sample. The invention also provides methods for calibrating a device suitable for assaying multiple antigen specific immunoglobulins binding to multiple antigens or fragments thereof immobilised on a solid support. A multi allergen test system and kits for use in the methods are also provided.

No. of Pages: 24 No. of Claims: 11

(21) Application No.2745/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/09/2013 (43) Publication Date: 11/04/2014

### (54) Title of the invention: A MARKER COMPRISING ANTI CK8/18 COMPLEX AUTOANTIBODY AND ITS USE FOR DIAGNOSING CANCER

(51) International :C07K16/18,C12N5/16,G01N33/574 classification

(31) Priority Document No :1020110014809 (32) Priority Date :18/02/2011

(33) Name of priority :Republic of Korea

country

(86) International :PCT/KR2012/001264

Application No :20/02/2012 Filing Date

(87) International Publication: WO 2012/112013

(61) Patent of Addition to  $\cdot NA$ 

**Application Number** :NA Filing Date

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

(71)Name of Applicant:

### 1)KOREA RESEARCH INSTITUTE OF BIOSCIENCE AND BIOTECHNOLOGY

Address of Applicant: 125 Gwahak ro Eoeun dong Yuseong

gu Daejeon 305 806 Republic of Korea

(72)Name of Inventor: 1)CHO Eun Wie 2)HEO Chang Gyu 3)KO Jeong Heon 4)WOO Mi Kyung 5)YOO Hyang Sook

6)HWANG Hai Min

### (57) Abstract:

The present invention relates to a cytokeratin 8/18 complex specific autoantibody or a fragment comprising an antigen binding site (paratope) thereof the use thereof in the diagnosis of breast cancer a polypeptide having an amino acid sequence of an epitope specifically binding to the autoantibody a composition for diagnosing breast cancer comprising an agent capable of measuring an expression level of the autoantibody or the fragment comprising an antigen binding site thereof a hybridoma cell line producing the autoantibody and a kit for diagnosing breast cancer comprising the composition of the present invention. Further the present invention relates to a method for diagnosing breast cancer comprising the step of detecting the cytokeratin 8/18 complex specific autoantibody or the fragment comprising the antigen binding site thereof using the composition of the present invention and a method for screening a therapeutic agent for breast cancer using the autoantibody.

No. of Pages: 60 No. of Claims: 25

(21) Application No.3000/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/10/2013 (43) Publication Date: 11/04/2014

### (54) Title of the invention: DIRECT SMELTING PROCESS FOR HIGH SULPHUR FEED

:WO 2012/126055

(51) International classification: C21B13/00,C21B11/00,F27D3/08 (71)Name of Applicant:

(31) Priority Document No :2011901040 (32) Priority Date :21/03/2011

(33) Name of priority country :Australia

(86) International Application :PCT/AU2012/000293 No

:21/03/2012 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)TECHNOLOGICAL RESOURCES PTY. LIMITED

Address of Applicant :123 Albert Street Brisbane QLD 4000

Australia

(72) Name of Inventor: 1)DAVIS Mark Preston

2)DRY Rodney James 3)PILOTE Jacques

4)MEIJER Hendrikus Koenraad Albertus

### (57) Abstract:

A process for direct smelting a metalliferous feed material containing at least 0.2 wt.% sulphur in a smelt cyclone and a direct smelting vessel containing a bath of molten metal is disclosed. The process is characterised by maintaining an oxygen potential in the smelt cyclone that is sufficient so that an offgas from the smelt cyclone has a post combustion degree of at least 75%.

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

(21) Application No.3001/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/10/2013 (43) Publication Date: 11/04/2014

### (54) Title of the invention: STANDALONE BIOMETRIC AUTHORIZATION CONTROL DEVICE AND METHOD

(51) International classification	:G07C9/00	(71)Name of Applicant :
(31) Priority Document No	:61/465749	1)RECLUDO AB
(32) Priority Date	:24/03/2011	Address of Applicant :Katsen 16 S 193 41 Sigtuna Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/SE2012/050252	1)HUANG Tao
Filing Date	:07/03/2012	
(87) International Publication No	:WO 2012/128698	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A standalone biometric authorization control device (10) comprises an input device (110) configured to receive a time sensitive authorization code comprising encrypted information about an authorization time schedule. Connected to the input device (110) is a control unit (120) configured to extract the authorization time schedule from the time sensitive authorization code and to compare the extracted authorization time schedule with the current date and time. Connected to and controlled by the control unit (120) is a biometric sensor (130) which is configured to obtain biometric data from a user. The control unit (120) is further configured to register the biometric data obtained from the user into the current standalone biometric authorization control device (10) if the current date and time is within a time interval when registering of biometric data is allowed according to the extracted authorization time schedule.

No. of Pages: 22 No. of Claims: 17

(21) Application No.3005/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/10/2013 (43) Publication Date: 11/04/2014

### (54) Title of the invention: LINE CONNECTOR HAVING A CONNECTION BARB FOR A PLASTIC PIPELINE

(51) International classification:F16L33/18,F16L33/30,F16L33/22 (71)Name of Applicant:

:WO 2012/136784

(31) Priority Document No :10 2011 016 496.0

(32) Priority Date :08/04/2011

(33) Name of priority country :Germany

(86) International Application :PCT/EP2012/056316

:05/04/2012 Filing Date

(87) International Publication

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)VOSS AUTOMOTIVE GMBH

Address of Applicant: Leiersmühle 2 6 51688 Wipperfürth

Germany

(72)Name of Inventor: 1)HAGEN Harald

3)SIEPER Günter

2)HASBERG Markus

(57) Abstract:

The invention relates to a line connector (1) in particular for a PA pipe according to DIN 74324 1 comprising a connection barb (2) which is connected at one end to a connector housing (4) and which can be inserted into the pipe by means of a free barb end (2a) and which has a barb profile on the outer circumference of the connection barb said barb profile having a front insertion cone (10) at the end and several retaining teeth (6 / 6.1 6.2 6.3) which are distributed over the length of the connection barb and have sharp retaining edges (8). The connection barb (2) can additionally have a cylindrical sealing section (16) having a circumferential sealing surface (18) and an outside diameter (D3) adapted to the pipeline in such a way that the pipeline contacts the sealing surface (18) in a sealing manner by means of elastic expansion with radial preloading. In addition or alternatively the retaining teeth (6) can be spaced from each other by means of the retaining edges thereof (8) at an axial distance (XA XB) which is dimensioned in accordance with the associated pipeline in such a way that the distance (XA XB) corresponds to at least 2/3 of the inside diameter of the pipe. Furthermore the connection barb (2) can be designed in regard to the circular ring shaped cross section thereof and the resistance torque (Wp) thereof resulting from said cross section over the length thereof in such a way that increased bending impact strength is achieved. The front insertion cone (10) can have a surface (10a) that is rough in such a way that force closed pre fixing of the connection barb (2) in the opening area of the pipeline is achieved in the area of the insertion cone (10) when the insertion cone is inserted into the pipeline.

No. of Pages: 33 No. of Claims: 25

(21) Application No.2934/KOLNP/2013 A

1)KYOWA HAKKO BIO CO. LTD.

Address of Applicant :1 6 1 Ohtemachi Chiyoda ku Tokyo

(19) INDIA

(22) Date of filing of Application :07/10/2013

(43) Publication Date: 11/04/2014

1008185 Japan

(72)Name of Inventor:

2)KINO Mitsutaka

1)FUKUMOTO Kenta

### (54) Title of the invention: PROCESS FOR PRODUCING REDUCED GLUTATHIONE

(51) International classification :C07K5/08,C07K1/02,C25B3/04 (71)Name of Applicant :

(31) Priority Document No :2011084358

(32) Priority Date :06/04/2011

(33) Name of priority country :Japan

(86) International Application No:PCT/JP2012/059208

Filing Date :04/04/2012 (87) International Publication No: WO 2012/137824

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

(62) Divisional to Application

Number :NA Filing Date

:NA

# (57) Abstract:

A process for producing reduced glutathione by performing the electrolytic reduction of oxidized glutathione using a cathode vessel and an anode vessel which are separated from each other by means of a separating membrane wherein an aqueous oxidized glutathione solution of which the pH value is adjusted to a value higher than 3.0 and not higher than 7.0 by adding a base is used as an aqueous solution for the cathode vessel. In this manner reduced glutathione can be produced using an aqueous solution containing oxidized glutathione that can also act as a conducting agent.

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

(21) Application No.2935/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD FOR FILLING A CONTAINER WITH A LIQUID

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:10 2011 100 560.2 :05/05/2011 :Germany :PCT/DE2012/000309	(71)Name of Applicant:  1)LEIBINGER GMBH  Address of Applicant:Brühlstrasse 10 79331 Teningen  Germany (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	:22/03/2012 :WO 2012/149917 :NA :NA :NA	1)LEIBINGER Benedikt

# (57) Abstract:

The invention relates to a method for filling a container (1) filled with liquid (7) comprising a balloon like body (6) that is introduced into the container (1). An expansion medium (8) is introduced into said balloon like body (6) such that the balloon like body (6) is inflated. Subsequently the balloon like body (6) is re emptied such that the liquid (7) to be introduced is drawn in.

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

(21) Application No.2936/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/10/2013 (43) Publication Date: 11/04/2014

### (54) Title of the invention: ELASTIC ABSORBENT SANITARY ARTICLE FOR ABSORBING BODILY FLUIDS

:B32B5/00,B32B5/04,B32B5/12 (71)Name of Applicant : (51) International classification

(31) Priority Document No :10 2011 018 985.8

(32) Priority Date :28/04/2011

(33) Name of priority country :Germany

(86) International Application No: PCT/EP2012/057833

Filing Date :27/04/2012 (87) International Publication No: WO 2012/146748

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

:NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)EVONIK INDUSTRIES AG

Address of Applicant :Rellinghauser Straße 1 11 45128 Essen

Germany

(72) Name of Inventor: 1)FENSKE Wilfried

(57) Abstract:

An absorbent sanitary product for absorbing fluids with a pliable top sheet (1) and a pliable back sheet (2) has an absorbent laminate (3) arranged therebetween which laminate (3) has two pliable outer layers (4 5) between which at least two diagonally crossing prestressed layers of elastic threads (6) are arranged in an adhesive manner and a quantity of a superabsorbent polymer (7) is incorporated in the discrete sections which are formed as a result wherein the outer layer (4) of the laminate (3) on the top sheet side is made of a hydrophobic material and the outer layer (4) of the laminate (3) on the back sheet side is made of a hydrophilic material.

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

(21) Application No.2937/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/10/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: PRODUCT OF CHROMIUM OXIDE ZIRCONIUM OXIDE AND HAFNIUM OXIDE

(51) International :C04B35/12,C04B35/42,C04B35/44

classification (31) Priority Document No :11 53308

(32) Priority Date :15/04/2011 (33) Name of priority country: France

(86) International Application :PCT/IB2012/051848

No :13/04/2012 Filing Date

(87) International Publication: WO 2012/140624

(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)SAINT GOBAIN CENTRE DE RECHERCHES ET

**DETUDES EUROPEEN** 

Address of Applicant :Les Miroirs 18 avenue dAlsace F 92400

Courbevoie France (72)Name of Inventor: 1)HIS Christian

2)VILLERMAUX Franceline 3) CHAMPION Thibault 4) RAFFIN Nicolas

5)SAN MIGUEL Laurie

Sintered refractory product comprising, in percentages by weight on the basis of the oxides, - more than 10% of chromium oxide C 20 , - more than 2% of hafhium oxide Hf0 2, - more than 1% of zirconium oxide Zr0 2, the total content of chromium, hafhium and zirconium oxides C 2O + Hf0 2 + Zr0 2 being greater than 70%.

No. of Pages: 24 No. of Claims: 21

(21) Application No.2938/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application:07/10/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: METHOD AND APPARATUS FOR MANUFACTURING GYPSUM PRODUCTS

(51) International classification: B28C5/38, C04B28/14, C04B38/10 (71) Name of Applicant: 1)SAINT GOBAIN PLACO SAS (31) Priority Document No :11161718.9 (32) Priority Date :08/04/2011 Address of Applicant :34 avenue Franklin Roosevelt F 92150 (33) Name of priority country :EPO Suresnes France (86) International Application (72) Name of Inventor: :PCT/EP2012/056273 No 1)JAFFEL Hamouda :05/04/2012 Filing Date (87) International Publication :WO 2012/136760 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number

### (57) Abstract:

Filing Date

A method and system for producing a gypsum product comprising a mixer for mixing gypsum and water and two foam feeds into the system wherein the foam feeds each comprise foam of different bubble size distributions.

No. of Pages: 28 No. of Claims: 11

:NA

(21) Application No.3067/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/10/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: MULTI FUNCTIONAL CATHETER

(51) International classification	:A61B18/14	(71)Name of Applicant:
(31) Priority Document No	:1105622.3	1)PHAGENESIS LIMITED
(32) Priority Date	:01/04/2011	Address of Applicant :The Elms Courtyard Bromesberrow
(33) Name of priority country	:U.K.	Ledbury HR8 1RZ U.K.
(86) International Application No	:PCT/GB2012/000288	(72)Name of Inventor:
Filing Date	:30/03/2012	1)MULROONEY Conor
(87) International Publication No	:WO 2012/131303	
(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 novel catheters suitable for delivering an electric current to the body in particular to catheters that have electrodes that can be positioned independently of the main elongate shaft of the catheter. More particularly the invention relates to catheters that include a movable sleeve that incorporates the electrodes. It also relates to a movable sleeve that includes one or more electrodes and to advances in the construction of the electrodes and related components. The invention also relates to methods for positioning electrodes at a treatment site in the body for diagnostic or therapeutic applications particularly electrical pharyngeal stimulation.

No. of Pages: 40 No. of Claims: 36

(21) Application No.264/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/02/2014

(43) Publication Date: 11/04/2014

### (54) Title of the invention: DRYING CONVEYER, AND THERMAL ELECTRIC POWER GENERATION SYSTEM PROVIDED WITH SAME

(51) International classification: F26B17/04,B65G17/12,F23K1/00 (71)Name of Applicant:

:WO 2013/012008

(31) Priority Document No :2011-157920 (32) Priority Date :19/07/2011

(33) Name of priority country :Japan

(86) International Application :PCT/JP2012/068214

No

:18/07/2012 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)Babcock-Hitachi Kabushiki Kaisha

Address of Applicant: 14-1, Sotokanda 4-chome, Chiyoda-ku,

Tokyo 1010021, JAPAN (72)Name of Inventor: 1)SUGASAWA Mitsugu 2)YOSHIZAKO Hidehisa 3)MIYATA Terufumi

4)OKADA Takahiro 5)TAOKA Yoshinori 6)SATO Shunichi

### (57) Abstract:

[Problem] To provide a drying conveyer device capable of efficiently and uniformly drying coarse particles. [Solution] The present invention is characterized in that a gas discharger (29) is provided on a bottom part of a transport member (25), a wind box (35) is provided for supplying a drying gas (49) from below the transport member (25), an object to be transported (2) is placed within the transport member (25), the drying gas (35) is discharged from the gas discharger (29) into the transport member (25) when the transport member (25) passes over the wind box (35), and the object to be transported (2) is dried while a fluidized bed thereof is formed.

No. of Pages: 133 No. of Claims: 27

(21) Application No.2774/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/09/2013 (43) Publication Date: 11/04/2014

### (54) Title of the invention: FLUID INSULATED HIGH VOLTAGE COIL

(51) International :H01F27/10,H01F27/12,H01F27/14 classification

(31) Priority Document No :11002900.6

(32) Priority Date :07/04/2011

(33) Name of priority country: EPO

(86) International Application :PCT/EP2012/001087

No :10/03/2012 Filing Date

(87) International Publication :WO 2012/136302

(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)ABB TECHNOLOGY AG

Address of Applicant: Affolternstr. 44, CH-8050 Zürich,

**SWITZERLAND** 

(72)Name of Inventor: 1)BONMANN, Dietrich 2) SCHMIDT, Thomas

### (57) Abstract:

The invention is related to a fluid insulated high voltage coil (12, 14, 16, 66), comprising a closed tank (22) for an insulation fluid (30) and a high voltage coil arranged therein with at least two taps (18, 54). An insulation tube (24, 42, 94) is extending into the tank (22), whereas the inner part of the tube is accessible from an outer side of the tank (22). Electric contact elements (52) are foreseen through the tube (24, 42, 94), walls along its longitudinal axis whereas at least some of the contact elements (52) are electrically connected (32) with the taps (18, 54). A removable column like electrical interaction device (44, 82) is arranged within the inner part of the insulation tube (24, 42, 94), which is electrically connected to the at least two taps (18, 54) by means of the contact elements (52).

No. of Pages: 18 No. of Claims: 14

(21) Application No.306/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/02/2014 (43) Publication Date: 11/04/2014

### (54) Title of the invention: ARCHITECTURAL CONSTRUCT HAVING A PLURALITY OF IMPLEMENTATIONS

(31) Priority Document No :61/523,261 (32) Priority Date :12/08/2011

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

(86) International Application :PCT/US2012/050638

No :13/08/2012

Filing Date (87) International Publication :WO 2013/025635

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

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

Filing Date

(51) International classification :C01B31/02,B82B1/00,B82B3/00 (71)Name of Applicant:

1)MCALISTER TECHNOLOGIES, LLC

Address of Applicant: 3349 E. Blackhawk, Phoenix, AZ

85050 U.S.A.

(72) Name of Inventor:

1)MCALISTER, Roy, Edward

### (57) Abstract:

An architectural construct is a synthetic material that includes a matrix characterization of different crystals. An architectural construct can be configured as a solid mass or as parallel layers that can be on a nano-, micro-, and macro-scale. Its configuration can determine its behavior and functionality under a variety of conditions. Implementations of an architectural construct can include its use as a substrate, sacrificial construct, carrier, filter, sensor, additive, and catalyst for other molecules, compounds, and substances, or may also include a means to store energy and generate power.

No. of Pages: 56 No. of Claims: 38

(21) Application No.3064/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/10/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: VERMIN REPELLENT ARRANGEMENT AND METHOD FOR REPELLING AT LEAST ONE TYPE OF VERMIN

(51) International :A01M29/12,A01M1/02,A01M1/20

:21/05/2012

classification

(31) Priority Document No :11171357.4 (32) Priority Date :24/06/2011

(33) Name of priority country: EPO

(86) International Application :PCT/EP2012/059359 No

Filing Date

(87) International Publication: WO 2012/175259

No

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

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)AMS AG

Address of Applicant : Schloss Premsttten A 8141

Unterpremsttten Austria (72) Name of Inventor: 1)HEUGLE John 2)FASCHINGER Franz

(57) Abstract:

A vermin repellent arrangement (1) comprises a repellent storage (11) coupled to a first vaporizer (6 6a) adapted to provide a repellent dosage into a first area (51 53) in response to a repellent control signal. Means (8) for acoustically detecting a vermin in that area (51 53) provide a first detection signal in response thereto. The means (8) are coupled to evaluation means (10 10b) to receive the first detection signal and adapted to provide the repellent control signal in response to an evaluation of the first detection signal and a reference signal that reference signal assigned to at least one pre defined type of vermin.

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

(21) Application No.3065/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD AND APPARATUS FOR TRANSMITTING HARQ ACKNOWLEDGEMENT IN OFDM RADIO COMMUNICATION SYSTEM

(51) International classification :H04J11/00,H04B7/26,H04L1/18 (71) Name of Applicant:

(31) Priority Document No :1020110071100

(32) Priority Date :18/07/2011 (33) Name of priority country :Republic of Korea

(86) International Application :PCT/KR2012/005743

No :18/07/2012 Filing Date

(87) International Publication No:WO 2013/012253

(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)JI Hyoung Ju 2)HAN Jin Kyu 3)CHO Joon Young 4)KIM Young Bum

5)CHOI Seung Hoon

(57) Abstract:

A Physical Hybrid Automatic Repeat reQuest (ARQ) Indicator CHannel (PHICH) transmission method performed by a base station is provided. The method includes determining whether any PHICH resources are allocated to a current subframe; allocating upon a determination that the current subframe does not have any PHICH resources allocated a new PHICH resource; and transmitting a PHICH through the new allocated PHICH resource.

No. of Pages: 36 No. of Claims: 15

(21) Application No.3068/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : POWER GENERATION BY PRESSURE RETARDED OSMOSIS IN CLOSED CIRCUIT WITHOUT NEED OF ENERGY RECOVERY

(54) 5	T0.47.47.400	
(51) International classification	:F04B17/00	(71)Name of Applicant:
(31) Priority Document No	:212272	1)EFRATY Avi
(32) Priority Date	:12/04/2011	Address of Applicant :4 Mevo Hashaked Street P.O.B 132
(33) Name of priority country	:Israel	90836 Har Adar Israel
(86) International Application No	:PCT/IL2012/050135	(72)Name of Inventor:
Filing Date	:15/04/2012	1)EFRATY Avi
(87) International Publication No	:WO 2012/140659	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A method and apparatus for clean energy generation by means of Pressure Retarded Osmosis (PRO) in closed circuit by a batch process or by a consecutive sequential process comprises two sections; one of a disengaged Side Conduit (SC) undergoing replacement of High Salinity Diluted Concentrates (HSDC) by fresh High Salinity Feed (HSF); and the other of a close circuit system with 3 modules connected in parallel wherein Low salinity feed (LSF) is continuously supplied and whereas part of the HSDC is being recycled through said modules and the other part used for power generation by means of a fixed speed turbine (T) and 3 rated generators (Gl G2 and G3) which are actuated simultaneously or separately as function the power availability during the PRO process. Periodic engagement of said SC with HSF and the closed circuit enable replacement of pressurized HSDC by fresh HSF without stopping the power generation process.

No. of Pages: 38 No. of Claims: 9

(21) Application No.3069/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/10/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: DEVICE FOR LOCKING A BODY ONTO A ROD

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:F16C1/14 :1153658 :29/04/2011 :France :PCT/FR2012/050710 :02/04/2012 :WO 2012/146850 :NA :NA	(71)Name of Applicant:  1)DURA AUTOMOTIVE SYSTEMS SAS Address of Applicant: 14 Parc Burospace Route de Gisy F 91570 Bievres France (72)Name of Inventor: 1)MEUNIER Sylvain
` '		
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

According to the invention the body (1) has a portion (1a) capable of receiving a snap fitting member (3) engaging with a portion of the rod (2) inserted into said portion (1a) said snap fitting member (3) being shaped so as to occupy a first stowed position in which the body (1) can be freely moved onto the rod (2) and a second locked position in which the body (1) is translatably locked on said rod (2). The snap fitting member (3) is secured to a means (4 5) capable of allowing said snap fitting member to automatically pass from the first stowed unlocked position to the second locked position without exerting a manual bearing force onto said snap fitting member (3).

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

(21) Application No.307/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/02/2014 (43) Publication Date: 11/04/2014

# (54) Title of the invention : WORKFLOW SYSTEM AND METHOD FOR CREATING, DISTRIBUTING AND PUBLISHING CONTENT

:G06Q50/10 (51) International classification (31) Priority Document No :61/506,990 (32) Priority Date :12/07/2011 (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2012/046102 Filing Date :10/07/2012 (87) International Publication No :WO 2013/009770 (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)INKLING SYSTEMS, INC.

Address of Applicant: 153 Kearny Street, 4th Floor, San

Francisco, CA 94108 U.S.A.

(72)Name of Inventor:

1)MYERS, Nolan, Shea 2)SCOTT, Robert, Benjamin

3) NEUBERG, Bradley, Keith

4)ZHAO, Huan

5)CROMWELL, Robert

6)KOPATSY, Arthur

7)VOGEL, Bradford

8)JONES, Kerryck

9)KNOWLES, Kenneth, Lorenz

10)FORMAN, Joshua, John

### (57) Abstract:

Disclosed in some examples are systems, methods and machine-readable media for the management of content creation. In some examples the system includes a content management component configured to store portions of an electronic content work and to implement version control of the electronic content work; a defect tracking component configured to store a defect record related to a stored portion of the electronic content work; a publication pipeline component configured to format the electronic content work for publication; and a integration component configured to present a graphical user interface which allows for editing the stored portions of the electronic content work, editing the defect record, and instructing the publication pipeline to format the electronic content work for publication.

No. of Pages: 73 No. of Claims: 17

(21) Application No.3070/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/10/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: ANTI CYANOBACTERIA RECOMBINANT ANTIBODY POLYPEPTIDE GENE THEREOF AND PREPARATION METHOD THEREOF

(51) International :C12N5/12,C07K16/14,C07K19/00 classification

(31) Priority Document No :201110100775.2 :21/04/2011 (32) Priority Date

(33) Name of priority country: China

(86) International Application :PCT/CN2012/073120

:27/03/2012 Filing Date

(87) International Publication

:WO 2012/142899

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

(62) Divisional to Application :NA Number :NA (71)Name of Applicant:

1)PROTEIN DESIGN LAB LTD.

Address of Applicant :Qianshajiancun Sujiatuozhen Haidian

District Beijing 100095 China (72)Name of Inventor:

1)QIU Xiaoqing

Filing Date

(57) Abstract:

Provided are a hybridoma cell CGMCC No.4783 that secretes a monoclonal antibody of an anti cyanobacteria cell surface antigen and the secreted monoclonal antibody thereof. Also provided are an anti cyanobacteria recombinant antibody polypeptide encoding gene preparation method and use thereof. The anti cyanobacteria recombinant antibody polypeptide is composed of an anti cyanobacteria antibody mimetic polypeptide operably linearly connecting to the carboxyl terminal of an Escherichia coli polypeptide. The anti cyanobacteria antibody mimetic polypeptide is a polypeptide with cyanobacteria identifying and binding capability designed based on an antigen binding fragment of the monoclonal antibody secreted by the CGMCC No.4783 hybridoma cell. The anti cyanobacteria recombinant antibody polypeptide directly form an ion channel on the cell membrane of a cyanobacteria to kill the cyanobacteria targeted killing the cyanobacteria (prokaryote) without killing other beneficial eukaryotic cell algae.

No. of Pages: 45 No. of Claims: 13

(21) Application No.1932/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/06/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: HIGH TEMPERATURE PISTON

(51) International classification	:F02F3/02,F02F3/10	(71)Name of Applicant:
(31) Priority Document No	:1001176-5	1)NYBERG, PETER
(32) Priority Date	:09/12/2010	Address of Applicant :VIKSÖ 518, SE-781 94 BORLÄNGE,
(33) Name of priority country	:Sweden	SWEDEN
(86) International Application No	:PCT/SE2011/051350	(72)Name of Inventor:
Filing Date	:10/11/2011	1)NYBERG, PETER
(87) International Publication No	:WO 2012/078093	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

In a piston (1) for combustion engines are included a piston crown (2), a piston skirt (3) and portions (4A, 4B; 13) for receiving a piston pin (5) by means of which the piston is pivotally supported on a connection rod whereby a protection (7) covering a major portion of a bottom side of the piston crown is supported on the piston pin. The protection is fitted in sealing engagement with a first inner portion of the piston skirt, forming an uninterrupted gap in relation to a main portion of the piston crown and with at least a portion of the protection being provided at a distance inside a second outer portion of the piston skirt.

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

(21) Application No.1933/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/06/2013 (43) Publication Date : 11/04/2014

### (54) Title of the invention: TECHNIQUE FOR RESOURCE CREATION IN A CLOUD COMPUTING SYSTEM

(51) International classification	:G06F9/50	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:NA	Address of Applicant :S-164 83 STOCKHOLM, SWEDEN
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:PCT/EP2010/007065	
Filing Date	:22/11/2010	2)REMBARZ, RENEE
(87) International Publication No	:WO 2012/069064	3)WILLIG, JOHANNES
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

A technique for creating a resource in a cloud computing system is described. A method implementation of this technique comprises providing a plurality of predefined base resource descriptions, each base resource description defining a base resource in the cloud computing system and specifying one or more properties of the base resource, providing a plurality of predefined modifiers each modifier being applicable to a resource in the cloud computing system to add, remove or change a property of the resource, wherein each modifier is associated with metrics information, and receiving a resource request indicating one or more desired properties for a target resource in the cloud computing system. In response to receipt of the resource request, a selection operation is performed to select a base resource description and one or more modifiers that are to be applied to the base resource corresponding to the selected base resource description to create the target resource in the cloud computing system, wherein the selection operation is based on the metrics information. In a next step, the selected base resource description is deployed to create the corresponding base resource in the cloud computing system and application of the selected modifiers to the base resource in the cloud computing system is triggered to create the target resource.

No. of Pages: 29 No. of Claims: 23

(21) Application No.283/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 10/02/2014 (43) Publication Date: 11/04/2014

### (54) Title of the invention: PHARMACEUTICAL COMPOSITION FOR TREATMENT AND/OR PROPHYLAXIS OF CANCER

(51) International (71)Name of Applicant: :C12N15/09,A61K39/395,A61K45/00 classification 1)TORAY INDUSTRIES, INC. (31) Priority Document No :2011-171303 Address of Applicant: 1-1, Nihonbashi Muromachi 2-chome, Chuo-ku, Tokyo 103-8666, JAPAN (32) Priority Date :04/08/2011 (72)Name of Inventor: (33) Name of priority :Japan 1)KOBAYASHI Shinichi country (86) International 2)OKANO Fumiyoshi :PCT/JP2012/069819 Application No 3)MINAMIDA Yoshitaka :03/08/2012 Filing Date 4)SAITO Takanori (87) International :WO 2013/018883 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 identifies a cancer antigen protein that is specifically expressed at the surface of cancer cells, and provides an antibody having the protein as a target and an application of the antibody as a cancer treatment and/or prevention agent. The present invention pertains to: an antibody or a fragment thereof that contains a heavy-chain variable region containing sequence numbers 5, 6, and 7 and a light-chain variable region containing sequence numbers 9, 10 and 11, and that has immunological reactivity with the CAPRIN-1 protein; and a drug composition for cancer treatment and/or prevention containing the antibody or fragment as an active ingredient.

No. of Pages: 83 No. of Claims: 8

(21) Application No.3094/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 22/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: AUTOCLAVE FOR MEDICAL WASTE STERILIZATION AND OPERATION 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>	:BA2011A000015 :07/04/2011 :Italy :PCT/IB2012/000692 :04/04/2012 :WO 2013/050822	(71)Name of Applicant:  1)ECO.SYSTEM S.U.R.L. Address of Applicant: Via Delle Medaglie dOro 19 I 70126 Bari Italy (72)Name of Inventor: 1)DAMIANI Mario
* *		
(87) International Publication No		1)DAMIANI Mario
	:NA	
Number	:NA	
Filing Date	NTA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The invention relates to a machine for the treatment of infectious waste in order to obtain its sterilization and more specifically to an autoclave to be inserted in the processing cycle of medical waste in order to disinfect and neutralize the biological agents by means of the inactivation of the pathogenic microorganisms virus and sporogenic bacteria contained therein. The autoclave is provided with two chambers: an internal and an external one where high pressure saturated steam is injected; the external chamber keeps warm the walls avoiding steam condensation and resulting leachate.

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

(21) Application No.3071/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : NODES AND METHODS FOR ENABLING MEASUREMENTS PERFORMED BY A WIRELESS 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> <li>Filing Date</li> </ul>	:H04W24/10 :61/481934 :03/05/2011 :U.S.A. :PCT/SE2012/050169 :16/02/2012 :WO 2012/150894 :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)KAZMI Muhammad 2)SIOMINA Iana
Filing Date	:NA	

### (57) Abstract:

The disclosure relates to a method in a network node of a communications system for enabling measurements performed by a wireless device when MBSFN subframes are configured in the system. The method comprises determining (610) a measurement resource restriction pattern indicating subframes for performing at least one measurement for at least one cell wherein the indicated subframes are non MBSFN subframes comprising subframes that are not MBSFN configurable. The method also comprises transmitting (620) the measurement resource restriction pattern to the wireless device for enabling measurements for the at least one cell according to the pattern. The disclosure also relates to a method in a wireless device for performing measurements when MBSFN subframes are configured in the system.

No. of Pages: 77 No. of Claims: 44

(21) Application No.3072/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/10/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: SEARCH AREA BASED CONTROL CHANNEL MONITORING

(51) International classification	:H04L5/00	(71)Name of Applicant:
(31) Priority Document No	:61/481975	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:03/05/2011	Address of Applicant :S 16483 Stockholm Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/EP2012/058164	
Filing Date	:03/05/2012	2)JÖNGREN George
(87) International Publication No	:WO 2012/150310	3)LINDBOM Lars
(61) Patent of Addition to Application	:NA	4)PARKVALL Stefan
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

According to an embodiment of the invention a method of operating a control node for communication with at least one receiving node is provided. The communication is structured in frames comprising several subframes (1) which may be divided into subbands in the frequency domain. The method comprises transmitting a control channel in a search area (8) of one of the subframes (1). The search area (8) comprises a configurable time span and may span one or more of the subbands.

No. of Pages: 28 No. of Claims: 20

(21) Application No.3207/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : TRANSMISSION UNIT AS WELL AS METHOD FOR SHIFTING BETWEEN GEARS IN THE TRANSMISSION UNIT WHILE RETAINING TORQUE TRANSFER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:F16H3/00 :2006527 :01/04/2011 :Netherlands :PCT/NL2012/050219 :02/04/2012 :WO 2012/144891 :NA :NA	(71)Name of Applicant:  1)DTI GROUP B.V. Address of Applicant: Croy 46 NL 5653 LD Eindhoven Netherlands (72)Name of Inventor: 1)VAN DRUTEN Roëll Marie 2)SERRARENS Alexander Franciscus Anita 3)VROEMEN Bas Gerard
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A main clutch comprising a first clutch section which is connected to a main input and to a second transmission input and a second clutch section which is connected to a first transmission input; a first gearing line which comprises a first gear set and a first transmission clutch and which has a first input which is connected to the first transmission input and a first output that is connected to the transmission output; a second gearing line comprises a second gear set and a second transmission clutch and which has a second input which is connected to the first transmission input and a second output which is connected to the transmission output; a third gearing line which comprises a third gear set and a third transmission clutch and which has a third input which is connected to the second transmission input and a third output which is connected to the transmission output where the second transmission input can be connected via a short circuit clutch to the second gearing line in between the second transmission clutch and the second gear set.

No. of Pages: 22 No. of Claims: 33

(21) Application No.3208/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/10/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: APPARATUS AND METHOD TO GENERATE X RAYS BY CONTACT ELECTRIFICATION

(51) International classification	:H05G1/02	(71)Name of Applicant:
(31) Priority Document No	:61/482031	1)THE REGENTS OF THE UNIVERSITY OF
(32) Priority Date	:03/05/2011	CALIFORNIA
(33) Name of priority country	:U.S.A.	Address of Applicant :1111 Franklin Street Oakland California
(86) International Application No	:PCT/US2012/036310	94607 5200 U.S.A.
Filing Date	:03/05/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2012/154494	1)CAMARA Carlos
(61) Patent of Addition to Application	:NA	2)PUTTERMAN Seth J.
Number	:NA	3)HIRD Jonathan
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

An x ray source includes an enclosing vessel a first roller arranged at least partially within the enclosing vessel as second roller arranged at least partially within the enclosing vessel and to be in rolling contact with the first roller and a drive assembly operatively connected to at least one of the first and second rollers. The drive assembly causes the first and second rollers to rotate while in contact to bring portions of the first and second rollers into and out of contact within the enclosing vessel as the first and second rollers rotate. The first roller has a surface at least partially of a first triboelectric material and the second roller has a surface at least partially of a second triboelectric material the first triboelectric material having a negative triboelectric potential relative to the second triboelectric material. The enclosing vessel is structured to provide a controlled atmospheric environment and the first triboelectric material the second triboelectric material and the controlled atmospheric environment are selected such that rolling contact between the first and second rollers produces x rays.

No. of Pages: 36 No. of Claims: 28

(21) Application No.1856/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 10/06/2013 (43) Publication Date: 11/04/2014

(54) Title of the invention: ROTARY CONNECTOR DEVICE

(51) International :H01R35/04,B62D1/10,B60R16/027

classification

(31) Priority Document No :2010-258898 (32) Priority Date :19/11/2010 (33) Name of priority country: Japan

(86) International Application: PCT/JP2011/076763

No :21/11/2011 Filing Date

(87) International Publication :WO 2012/067258

(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)FURUKAWA ELECTRIC CO.,LTD.

Address of Applicant: 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO 1008322, JAPAN 2)FURUKAWA AUTOMOTIVE SYSTEMS INC.

(72)Name of Inventor:

1)HIRAI SHUJI

### (57) Abstract:

A steering roll connector 10 capable of suppressing generation of squeaky noise, which would be caused by ricketiness of an outer cylinder 15 in a circumferential direction, is provided. A fixed-side ring plate 14 and the outer cylinder 15 are formed of separate members. A fitting concaved portion 1 is provided at an outer circumferential edge of the fixed-side ring plate 14, and a fitting convexed portion 2 is provided at an outer circumferential edge of the outer cylinder 15 at a position corresponding to the fitting concaved portion 1. The fixed-side ring plate 14 and the outer cylinder 15 are aligned to have the same rotation axis X and are fit to each other in the direction of the rotation axis X. The fitting concaved portion 1 and the fitting convexed portion 2 are put into contact with each other so as not to rotate in either a clockwise direction or a counterclockwise direction. Thus, the fixed case 12 is formed.

No. of Pages: 40 No. of Claims: 4

(21) Application No.2944/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/10/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: CASTING PLUNGER AND CASTING UNIT WITH SHUT OFF VALVE

(51) International :B22D17/04,B22D17/20,B22D39/02

classification (31) Priority Document No :10 2011 017 610.1

(32) Priority Date :27/04/2011 (33) Name of priority country: Germany

(86) International :PCT/EP2012/053288

Application No :27/02/2012 Filing Date

(87) International Publication :WO 2012/146408

(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)OSKAR FRECH GMBH + CO. KG

Address of Applicant : Schorndorfer Straße 32 73614

Schorndorf Germany (72)Name of Inventor: 1)ASPACHER Ronny 2)KUHN Erich 3)ERHARD Norbert

(57) Abstract:

The invention relates to a casting plunger (3) with an integrated shut off valve (7) and to a casting unit for a casting machine having a casting vessel (1) wherein the casting unit comprises a casting plunger which is arranged axially movably in a casting cylinder of the casting vessel and/or a standpipe shut off valve (8) in a standpipe (4) of the casting vessel. A casting plunger according to the invention has a plunger sleeve (9) which can be brought to bear against an inner wall (10) of a casting cylinder (2) of the casting unit and comprises a valve seat (11) for the integrated shut off valve and has a plunger ram (12) which comprises an associated valve body (13) wherein the plunger sleeve and the plunger ram are movable axially with respect to each other by a predeterminable valve stroke. A casting unit according to the invention has such a casting plunger and/or a standpipe shut off valve (8) with a special valve body (20) through which molten material can flow. Use for example for hot chamber pressure diecasting machines.

No. of Pages: 30 No. of Claims: 14

(21) Application No.2945/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/10/2013 (43) Publication Date: 11/04/2014

### (54) Title of the invention: COPOLYMERS HAVING GEM BISPHOSPHONATE GROUPINGS

(51) International :C08F220/26,C04B24/24,C04B24/26

:France

:NA

:13/04/2012

:PCT/EP2012/056840

classification

(31) Priority Document No :11 53312 (32) Priority Date :15/04/2011

(33) Name of priority

country

(86) International

Application No

Filing Date

(87) International

:WO 2012/140235 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)CHRYSO

Address of Applicant :19 Place de la Résistance F 92440 Issy

Les Moulineaux France (72)Name of Inventor: 1)CHOUGRANI Kamel

2)LEISING Frédéric

### (57) Abstract:

The invention relates to a copolymer including a main hydrocarbon chain and side groups comprising carboxyl groups and polyoxyalkyl groups characterized in that the copolymer further comprises gem bisphosphonate groups. The invention also relates to an additive for suspensions of inorganic particles including said copolymer and to a method for preparing said copolymer. The invention finally relates to the use of said copolymer for fluidifying and maintaining the fluidity of suspensions of inorganic particles and for reducing the sensitivity of hydraulic compositions to clays and alkaline sulfates as well as to a composition of inorganic particles including said copolymer.

No. of Pages: 32 No. of Claims: 20

(21) Application No.3215/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :31/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : MOLTEN ZN AL BASED ALLOY PLATED STEEL SHEET HAVING EXCELLENT CORROSION RESISTANCE AND WORKABILITY AND METHOD FOR PRODUCING SAME

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:C23C2/06,C23C2/40 :2011120550 :30/05/2011 :Japan :PCT/JP2012/064344 :29/05/2012 :WO 2012/165644	(72)Name of Inventor : 1)OOI Toshihiko
(61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA :NA	2)FUJISAWA Hideshi 3)FURUTA Akihiko 4)SATOH Susumu 5)IMOKAWA Toru

### (57) Abstract:

A molten Zn Al based alloy plating layer is formed on the surface of a steel sheet by dipping a steel sheet in a molten Zn Al based alloy plating bath which contains in terms of mass % 3 to 6% of Al 0.2 to 1.0% of Mg and 0.01 to 0.10% of Ni and in which the content of Fe is adjusted to 0.10% or less and then withdrawing and cooling the steel sheet. Here by adjusting so that the bath temperature of the plating bath is 420 to 520°C and the temperature of the steel sheet dipped into the plating bath is 420 to 600°C and not lower than the bath temperature of the plating bath a molten Zn Al based alloy plated steel sheet is formed which has excellent workability and corrosion resistance which has an Fe content in the plating layer of 2.0 g/m $^2$  or lower and which has a Ni enriched layer having a thickness of 0.05 to 1.0  $\mu$ m at the interface of the steel sheet and the plating layer.

No. of Pages: 25 No. of Claims: 2

(21) Application No.2943/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/10/2013

(43) Publication Date: 11/04/2014

(54) Title of the invention : MATRIX INVERTER AND METHOD FOR GENERATING AN A.C. VOLTAGE IN A SECOND A.C. VOLTAGE NETWORK FROM AN A.C. VOLTAGE IN A FIRST A.C. VOLTAGE NETWORK BY MEANS OF A MATRIX INVERTER

(51) International :H02M5/27,H02M5/297,H02M7/483

classification

(31) Priority Document No :10 2011 007 696.4 (32) Priority Date :19/04/2011

(32) Priority Date(33) Name of priority

ty :Germany

country

(86) International

Application No :19/04/2012

Filing Date

(87) International :WO 2012/143449

Publication 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)SIEMENS AKTIENGESELLSCHAFT

Address of Applicant: Wittelsbacherplatz 2 80333 München

Germany

(72)Name of Inventor :1)DAVIES Mark2)DOMMASCHK Mike

3)LANG Jörg

4)WÜRFLINGER Klaus

### (57) Abstract:

The invention relates to a matrix inverter (MU) which is connected to a first and a second multi phase A.C. voltage network (N1 N2). First inductive circuit elements (Su1 Sv1 Sw1) are respectively connected to the first A.C. voltage network (N1) and second inductive circuit elements (Su2 Sv2 Sw2) are respectively connected to the second A.C. voltage network (N2). A switch matrix (MA) connects the ends (Eu1 Ev1 Ew1) of the first inductive circuit elements (Su1 Sv1 Sw1) which ends face away from the first A.C. voltage network (N1) to the ends (Eu2 Ev2 Ew2) of the second inductive circuit elements (Su2 Sv2 Sw2) which ends face away from the second A.C. voltage network (N2) wherein the switch matrix (MA) consists of controllable inverter units (Uu1 Uv1 Uw1; Uu2 Uv2 Uw2). A regulation arrangement (R) is connected to control inputs of the controllable inverter units (Uu1 Uv1 Uw1; Uu2 Uv2 Uw2) wherein current and voltage measurement variables of the first and second A.C. voltage networks (N1 N2) are applied to the regulation arrangement (R). In order to be able to produce such a matrix inverter (MU) cost effectively in a matrix inverter (MU) having a first inverter unit (Uu1 Uv1 Uw1) which is arranged between the ends (u1 Ev1 Ew1) of the first inductive circuit elements (Slu1 Sv1 Sw1) which ends face away from the first A.C. voltage network (N1) and earth potential (M) and is configured as a controllable A.C. voltage source and having a second inverter unit (Uu1 Uv1 Uw1) which is connected between the ends (Eu1 Ev1 Ew1) of the first inductive circuit elements (Su1 Sv1 Sw1) which ends face away from the first A.C. voltage network (N1) and the ends (u2 Ev2 Ew2) of the second inductive circuit elements (Su2 Sv2 Sw2) which ends face away from the second A.C. voltage network (N2) and is configured as a controllable A.C. voltage source the inverter units (Uu1 Uv1 Uw1; Uu2 Uv2 Uw2) are controlled by means of the regulation arrangement (R) in such a manner that the electrical power flowing to the matrix inverter (MU) is equal to the electrical power flowing out of the matrix inverter (MU). The invention also relates to a method for generating an A.C. voltage by means of a matrix inverter (MU).

No. of Pages: 19 No. of Claims: 12

(21) Application No.3073/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : LINEAR PRESSURE REDUCER FOR REGULATING INJECTION PRESSURE IN AN ENHANCED OIL RECOVERY SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:E21B43/16,E21B43/20 :13/112722 :20/05/2011 :U.S.A. :PCT/IB2012/052311 :09/05/2012 :WO 2012/160469 :NA :NA	(71)Name of Applicant:  1)GLOBAL ENVIRONMENTAL SOLUTIONS INC.  Address of Applicant:810 Franklin Court Suite A Marietta Georgia 30115 U.S.A.  (72)Name of Inventor:  1)SOUCY Brian A.
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Linear pressure reducer apparatus for regulating injection pressure of a water soluble polymer solution in injection wellheads in an enhanced oil recovery system including modules connected in series to the main injection pipe and each consisting of tubes of identical diameter but variable length the said apparatus allows variations to be made to pressure drop by adjusting the length of the tube through which the solution flows by closing or opening modules without substantial degradation to the viscosity of the solution during its passage through the module. Installation for enhanced oil recovery implementing the said apparatus.

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

(21) Application No.3210/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : APPARATUS AND METHOD AND COMPUTER PROGRAM FOR GENERATING A STEREO OUTPUT SIGNAL FOR PROVIDING ADDITIONAL OUTPUT CHANNELS

(51) International classification (31) Priority Document No	:H04S1/00,H04S5/00 :61/486087	(71)Name of Applicant : 1)FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG
(32) Priority Date	:13/05/2011	DER ANGEWANDTEN FORSCHUNG E.V.
(33) Name of priority country	:U.S.A.	Address of Applicant :Hansastraße 27c 80686 München
(86) International Application No	:PCT/EP2012/058435	Germany
Filing Date	:08/05/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2012/156232	1)STÖCKLMEIER Christian
(61) Patent of Addition to Application	:NA	2)FINAUER Stefan
Number	:NA	3)UHLE Christian
Filing Date	.INA	4)PROKEIN Peter
(62) Divisional to Application Number	:NA	5)HELLMUTH Oliver
Filing Date	:NA	6)HEISE Ulrik

## (57) Abstract:

An apparatus for generating a stereo output signal comprises a manipulation information generator (110; 210; 340; 440; 640) being adapted to generate manipulation information depending on a first signal indication value of a first input channel and on a second signal indication value of a second input channel and a manipulator (120; 220; 360 370; 460 470; 660 670) for manipulating a combination signal based on the manipulation information to obtain a first manipulated signal as a first output channel and a second manipulated signal as a second output channel. The combination signal is a signal derived by combining the first input channel and the second input channel. Furthermore the manipulator (120; 220; 360 370; 460 470; 660 670) is configured for manipulating the combination signal in a first manner when the first signal indication value is in a first relation to the second signal indication value or in a different second manner when the first signal indication value is in a different second relation to the second signal indication value.

No. of Pages: 43 No. of Claims: 18

(21) Application No.296/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 11/02/2014 (43) Publication Date: 11/04/2014

## (54) Title of the invention: CONTAINER FOR NUCLEIC ACID AMPLIFICATION REACTION

(51) International classification :C12M1/24,C12Q1/68,B01L7/00 (71)Name of Applicant:

:12/07/2011

:NA

(31) Priority Document No :000 (32) Priority Date

(33) Name of priority country

(86) International Application :PCT/CN2011/077085

No Filing Date

(87) International Publication No: WO 2013/007021

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

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

Filing Date

1)GENEREACH BIOTECHNOLOGY CORP.

Address of Applicant :No.19, Keyuan 2nd Rd., Situn District

Taichung City, Taiwan 407 TAIWAN, R.O.C.

(72)Name of Inventor:

1)SU, Cheng 2)TENG, Pinghua

#### (57) Abstract:

The present invention provides a container for a nucleic acid amplification reaction, comprising a capillary (100) and a heat conduction sleeve (200). The heat conduction sleeve (200) is tightly fitted on the outer side of the capillary (100) for heating the capillary (100) evenly when heat is transferred to the heat conduction sleeve (200), so that the capillary (100) is heated uniformly. In this way, the speed of the nucleic acid amplification reaction is increased.

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

(21) Application No.3093/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :22/10/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: DOOR FOR FRONT LOADING WASHING MACHINE

(51) International classification	:D06F39/14	(71)Name of Applicant:
(31) Priority Document No	:U201130510	1)BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH
(32) Priority Date	:11/05/2011	Address of Applicant :Carl Wery Str. 34 81739 München
(33) Name of priority country	:Spain	Germany
(86) International Application No	:PCT/IB2012/052272	(72)Name of Inventor:
Filing Date	:08/05/2012	1)ALVAREZ FLORES David
(87) International Publication No	:WO 2012/153261	2)CORTES PEREZ Elena
(61) Patent of Addition to Application	:NA	3)LOPEZ PALACIOS Carlos
Number	:NA	4)PINA POVES Jose Luis
Filing Date		5)ROMEO CARNICERO Alberto
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Front loading washing machine door that includes an annular door frame (2) a plastic frame cover (4) covering the door frame and a circular window component (3) with an edge (31) held between the door frame and the frame cover wherein the door frame and the cover are bound by means of fastening elements (5). The fastening element (5) has a bonding element (6) that is made/bonded integrally as a single piece with the frame cover (4) and one end of the bonding element 6 which protrudes through an aperture (7) in the door frame (2) opposite the frame cover (4) is widened toward the aperture edge (71) forming a head 8 fastening the door frame by a form fitted connection.

No. of Pages: 11 No. of Claims: 4

(21) Application No.3220/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :31/10/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD FOR PREPARING T BUTYL 2 ((4R 6S) 6 FORMYL 2 2 DIMETHYL 1 3 DIOXAN 4 YL)ACETATE

(51) International :C07D319/06,C07D211/94,A61K31/537 classification

(31) Priority Document

:1020110043040

No

(32) Priority Date :06/05/2011

(33) Name of priority

:Republic of Korea

country

(86) International :PCT/KR2012/003541 Application No :04/05/2012

Filing Date

(87) International :WO 2012/153950

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)WELL E&C CO. LTD.

Address of Applicant :2th Fl. 57 Pyeongchon dong Dongan gu

Anyang si Gyeonggi do 431 070 Republic of Korea

(72)Name of Inventor:

1)GAO Lingli 2)KIM Kyung II 3)SHIN Jae Ran

4)PARK Jung Youl 5)PARK Yong Mooc

6)JUNG Hooni

## (57) Abstract:

The present invention relates to a method for preparing t butyl 2 ((4R 6S) 6 formyl 2 2 dimethyl 1 3 dioxan 4 yl)acetate having optical activity which is a core intermediate in the preparation of a variety of HMG CoA reductase inhibitors. According to the preparation method of the present invention it is possible to easily mass produce t butyl 2 ((4R 6S) 6 formyl 2 2 dimethyl 1 3 dioxan 4 yl)acetate in the form of a solid of high and uniform purity by using a polymer supported TEMPO.

No. of Pages: 33 No. of Claims: 20

(21) Application No.3221/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :31/10/2013

(43) Publication Date: 11/04/2014

#### (54) Title of the invention: A LOW NOISE OSCILLATOR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H03B5/18 :NA :NA :NA :PCT/SE2011/050601 :11/05/2011 :WO 2012/154098 :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)NYLÉN Tomas
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

## (57) Abstract:

The invention relates in general to frequency synthesis and in particular to an oscillator for use in generating a signal having a desired frequency. An oscillator for use in generating a signal having a desired frequency in a frequency synthesizer is thus provided. The oscillator comprises: a first inductor element being electrically coupled from one end of a first capacitive element to a first voltage connection point; a second inductor element being electrically coupled from one end of a second capacitive element to a second voltage connection point; a fourth inductor element being electrically coupled from the other end of the first capacitive element to the second voltage connection point; asid inductor element being electrically coupled from the other end of the second capacitive element to the second voltage connection point; said inductor elements being arranged such that a conductive trace loop formed by the first and third inductor elements is interleaved with a conductive trace loop formed by the second and fourth inductor elements such that said conductive trace loops are configured to operate in substantially the same magnetic field wherein a first drive circuit is electrically coupled to the first and second inductor element forming a first resonance circuit with the first and second capacitive elements and a second drive circuit is electrically coupled to the third and fourth inductor element forming a second resonance circuit with the first and second capacitive elements such that the first and second drive circuits are mutually configured to establish and maintain a unified oscillation in the first and second resonance circuits at the desired frequency.

No. of Pages: 43 No. of Claims: 17

(21) Application No.2955/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/10/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD AND DEVICE FOR DETERMINING A NUMBER OF MIMO LAYERS

(51) International classification	:H04W72/04	(71)Name of Applicant:
(31) Priority Document No	:61/474938	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:13/04/2011	Address of Applicant :S 164 83 Stockholm Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/SE2011/051228	1)GERSTENBERGER Dirk
Filing Date	:14/10/2011	2)SUNELL Kai Erik
(87) International Publication No	:WO 2012/141634	3)WIEMANN Henning
(61) Patent of Addition to Application	:NA	4)LARSSON Daniel
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The embodiments herein relate to a method in a base station (603) for communicating with a user equipment (605) in the communication network (600). The base station (603) is configured to communicate with the user equipment (605) according to a selectable of at least two user equipment categories. Based on information about a selected user equipment category the base station (603) determines a first number of maximum transmission layers supported by the base station (603). The base station (603) communicates with the user equipment (605) according to up to the determined first number of maximum transmission layers and according to the selected user equipment category.

No. of Pages: 56 No. of Claims: 33

(21) Application No.2956/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 08/10/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: SUSPENSION FRAME STRUCTURE

(51) International classification	:B62D21/00,B60G7/00	(71)Name of Applicant:
(31) Priority Document No	:2011058290	1)FUTABA INDUSTRIAL CO. LTD.
(32) Priority Date	:16/03/2011	Address of Applicant :1 Aza ochaya Hashime cho Okazaki shi
(33) Name of priority country	:Japan	Aichi 4448558 Japan
(86) International Application No	:PCT/JP2012/056417	(72)Name of Inventor:
Filing Date	:13/03/2012	1)INAGAKI Takashi
(87) International Publication No	:WO 2012/124692	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A suspension frame structure of the present invention is provided with a member main body and lower arms disposed at the left and right sides of the member main body. The lower arms respectively have: front support parts supported by front left and right sides of the member main body with axes thereof being in a front to rear direction; and rear support parts supported by rear left and right sides of the member main body. In addition the front support parts of the lower arms are supported by body mounting members installed on the front left and right sides of the member main body in a state where the axes of the front support parts are in the front to rear direction.

No. of Pages: 20 No. of Claims: 6

(21) Application No.3229/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: CONTROL METHOD FOR A MILL TRAIN

(51) International classification	:B21B37/58	(71)Name of Applicant:
(31) Priority Document No	:11167290.3	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:24/05/2011	Address of Applicant: Wittelsbacherplatz 2 80333 München
(33) Name of priority country	:EPO	Germany
(86) International Application No	:PCT/EP2012/058240	(72)Name of Inventor:
Filing Date	:04/05/2012	1)DAGNER Johannes
(87) International Publication No	:WO 2012/159868	2)GRÜSS Ansgar
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

In the disclosed method a current temperature (T) is ascertained for sections (6) of a strip (1) ahead of a first mill stand (2). The temperatures (T) of the strip sections (6) for the time when each strip section (6) is milled in the first mill stand (2) is predicted whereupon at least one specific control parameter (P) for milling a specific strip section (6) in the first mill stand (2) is ascertained. When the specific strip section (6) is milled a control device (10) acting on the first mill stand (2) is controlled taking into account the specific ascertained control parameter (P). The temperatures (T) are predicted with a prediction horizon (PH1) corresponding to multiple strip sections (6). A manipulated variable curve (S (t)) for the control device (10) is set for the prediction horizon (PH1) said curve (S (t)) influencing a profile of a nip formed by working rolls (9) of the first mill stand (2). A specific nip profile (W) formed by the working rolls (9) of the first mill stand (2) at the time the specific strip section (6) will be milled is predicted. The set manipulated variable curve (S (t)) is optimized on the basis of the predicted nip profile (W) and a specific desired profile (W (t)). The current value of the optimized manipulated variable curve (S (t)) corresponds to the control parameter (P) which is fed to the control device (10) as the manipulated variable (S).

No. of Pages: 49 No. of Claims: 14

(21) Application No.3230/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention : METHOD AND TERMINAL EQUIPMENT FOR REPORTING MAXIMUM CONFIGURATION TRANSMISSION 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 Filing Date</li> </ul>	:H04W24/10 :NA :NA :NA :PCT/CN2011/073549 :29/04/2011 :WO 2012/145926 :NA :NA :NA	(71)Name of Applicant: 1)FUJITSU LIMITED Address of Applicant:1 1 Kamikodanaka 4 chome Nakahara ku Kawasaki shi Kanagawa 211 8588 Japan (72)Name of Inventor: 1)XU Haibo 2)LU Yanling 3)WANG Weiwei
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## (57) Abstract:

A method and terminal equipment for reporting maximum configuration transmission power are disclosed. The method includes that: when a terminal equipment triggers a power headroom report and is distributed an uplink grant for transmitting new data on an uplink shared channel for the present subframe by a base station wherein the uplink grant can accommodate the power headroom report the terminal equipment in turn judges whether there is non adaptive retransmissions on each service cell in the present subframe but the base station does not distribute an uplink grant for transmitting data of uplink shared channel or the terminal equipment judges whether the base station merely schedules channel state information on each service cell but does not distribute an uplink grant for transmitting data of uplink shared channel; if so the terminal equipment acquires the maximum configuration transmission power of the corresponding service cell and reports the acquired maximum configuration transmission power to the base station. Even when the terminal equipment has non adaptive retransmission or the base station merely schedules channel state information on a service cell the method can make the terminal equipment report maximum configuration transmission power corresponding to the service cell thus solving problem existed in the prior art.

No. of Pages: 28 No. of Claims: 5

(21) Application No.260/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :06/02/2014

(43) Publication Date: 11/04/2014

## (54) Title of the invention: SMOKING ARTICLES AND USE THEREOF FOR YIELDING INHALATION MATERIALS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> </ul>	:A24F47/00 :13/205,841 :09/08/2011 :U.S.A. :PCT/US2012/049942 :08/08/2012 :WO 2013/022936	(71)Name of Applicant:  1)R. J. REYNOLDS TOBACCO COMPANY Address of Applicant: 401 North Main Street, Winston-Salem, North Carolina 27101, U.S.A. (72)Name of Inventor: 1)WORM, Steven L. 2)CHRISTOPHERSON, David G.
<ul> <li>(61) Patent of Addition to Application</li> <li>Number</li> <li>Filing Date</li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	3)SEARS, Stephen Benson 4)POTTER, Dennis Lee 5)AMPOLINI, Frederic Philippe 6)ADEME, Balager

## (57) Abstract:

The present invention describes articles, such as smoking articles, that can provide an inhalable substance in a form suitable for inhalation by a consumer. The article comprises a cartridge with an inhalable substance medium therein, control housing that includes an electrical energy source and an electrical power source, and a heating member that may be located in either the cartridge or the control housing. The control housing further may include puff- actuated current actuation components and current regulation components.

No. of Pages: 64 No. of Claims: 45

(21) Application No.285/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 10/02/2014 (43) Publication Date: 11/04/2014

## (54) Title of the invention: PHARMACEUTICAL COMPOSITION FOR TREATMENT AND/OR PROPHYLAXIS OF CANCER

(51) International (71)Name of Applicant: :C12N15/09,A61K39/395,A61K47/48 classification 1)TORAY INDUSTRIES, INC. (31) Priority Document No :2011-171379 Address of Applicant: 1-1, Nihonbashi-Muromachi 2-chome, Chuo-ku, Tokyo 103-8666, JAPAN (32) Priority Date :04/08/2011 (72)Name of Inventor: (33) Name of priority :Japan 1)KOBAYASHI Shinichi country (86) International 2)OKANO Fumiyoshi :PCT/JP2012/069842 Application No 3)SAITO Takanori :03/08/2012 Filing Date (87) International :WO 2013/018889 Publication No (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** :NA

#### (57) Abstract:

Filing Date

The objective of the present invention is to produce an antibody having superior anti-tumor activity compared to conventional antibodies and having, as a target, CAPRIN-1 specifically expressed at the surface of cancer cells, and to provide an application as a cancer treatment and/or prevention agent. The present invention identifies a cancer antigen protein specifically expressed at the surface of cancer cells, and provides an application as a cancer treatment and/or prevention agent for an antibody having the protein as a target, specifically providing a drug composition that is for cancer treatment and/or prevention and that is characterized by: containing a heavy-chain variable region containing the amino acid sequences indicated in sequence numbers 5, 6, and 7 and a light chain variable region containing the amino acid sequences indicated in sequence numbers 9, 10, and 11; and containing an antibody having immunological reactivity with the CAPRIN-1 protein or a fragment of the antibody as an active ingredient.

No. of Pages: 84 No. of Claims: 8

(21) Application No.3236/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/11/2013 (43) Publication Date : 11/04/2014

## (54) Title of the invention: SHELL COUPLING AND USE THEREOF

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li><li>(33) Name of priority country</li></ul>	:F16L3/10 :10 2011 077 346.0 :10/06/2011 :Germany	(71)Name of Applicant:  1)PUTZMEISTER ENGINEERING GMBH Address of Applicant: Max Eyth Strasse 10 72631 Aichtal Germany
<ul> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number</li> </ul>	:PCT/EP2012/060113 :30/05/2012 :WO 2012/168119 :NA :NA	(72)Name of Inventor: 1)WESTERMANN Karl
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The invention relates to a shell coupling (40) for coupling pairs of pipes having two half shells (46 48) which in the coupling state bound a circular opening (60) for through passage of the pipes and at their one end can be pivoted in relation to one another via an outer articulation (44) about an articulation axis parallel to the circular opening (60) and at their other end can be connected to one another in a releasable manner via a clamping mechanism (51) with the pipes which are to be coupled being clamped in in the process. In order to reinforce the pipe connection to the concrete placing boom and to improve the force transmission which is necessary in this region it is proposed according to the invention that the shell coupling (40) which is designed as an add on coupling has a mounting plate (52) which has a retaining structure (54) by means of which at least one force transmission element (50) formed on one of the half shells (48) is accommodated in a form fitting and force fitting manner. The at least one force transmission element (50) here expediently has a cross sectionally wedge shaped contour the retaining structure (54) forming at least one wedge mount (56) wherein the mounting plate (52) and the one half shell (48) can be connected to one another by means of at least one clamping screw (66) with the force fit being made in the process in the wedging direction of the force transmission element (50) and of the retaining structure (54).

No. of Pages: 26 No. of Claims: 14

(21) Application No.3237/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD FOR OPERATING AN AUTOMATION SYSTEM

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:G05B19/418,G05B19/042,H04L12/28 :NA :NA	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT  Address of Applicant: Wittelsbacherplatz 2 80333 München Germany
(33) Name of priority country	:NA	(72)Name of Inventor : 1)WEISS Herbert
(86) International Application No Filing Date	:PCT/EP2011/057769 :13/05/2011	
(87) International Publication No	:WO 2012/155949	
(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 particularly to a method for operating an automation system (10) wherein the automation system (10) comprises in communicatively connected form a superordinate IO link unit (14) and at least one modular IO link appliance (20) having an appliance internal bus (32) and subunits (24 26 28) which can be addressed by means of the latter and which the modular IO link appliance (20) comprises wherein the method is distinguished in that communication with the modular IO link appliance (20) involves the selection of one of the subunits (24 26 28) thereof and the communication takes place only with this subunit directly and via the latter with the other subunits (24 26 28) of the modular IO link appliance (20) indirectly.

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

(21) Application No.1060/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 16/04/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : BIOSENSOR WITH THREE-DIMENSIONAL STRUCTURE AND MANUFACTURING METHOD THEREOF

(51) International (71)Name of Applicant: :G01N33/48,G01N35/00,G01N27/00 classification 1)CERAGEM MEDISYS INC. (31) Priority Document No :10-2010-0097890 Address of Applicant :3-2 Jeongchon-ri, Seonggeo-eup, :07/10/2010 (32) Priority Date Seobuk-gu, Cheonan-si, Chungcheongnam-do, 331-833 (33) Name of priority REPUBLIC OF KOREA :Republic of Korea country (72)Name of Inventor: (86) International 1)LEE, Jin Woo :PCT/KR2011/007433 Application No 2)CHOI, Jae Kyu :07/10/2011 Filing Date 3)KIM, Tae Hun (87) International :WO 2012/047055 **Publication No** (61) Patent of Addition to :NA Application Number :NA Filing Date (62) Divisional to :NA **Application Number** :NA

#### (57) Abstract:

Filing Date

The present invention relates to a biosensor which is formed with a three dimensional structure using 3D Molded Interconnect Device (MID) technology and a manufacturing method thereof. The present invention provides a biosensor in which reactive electrodes and signal transfer parts are formed in a three dimensional structure on a surface of a polymer using the 3D MID technology and the manufacturing method thereof.

No. of Pages: 66 No. of Claims: 21

(21) Application No.2008/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/06/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention : SYSTEM AND METHOD FOR SCALE REMOVAL FROM A NICKEL BASED SUPERALLOY COMPONENT

Filing Date :24/12/2	1)ROLLS ROYCE CORPORATION Address of Applicant :2001 S. Tibbs Avenue Mail Drop U27 Indianapolis IN 46241 U.S.A. (72)Name of Inventor:
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#### (57) Abstract:

A system for cleaning scale from a nickel-based superalloy component is described. The system includes a molten salt, caustic alkaline solution, and an electrical charging device that provides at least 3 V DC to the molten salt bath. The system further includes a water rinse, a soap and water solution, an acid pickling solution, and an acetone rinse. The water rinse is air-agitated, the soap and water solution is acoustically coupled to an ultrasonic device, and the acid pickling solution is fluidly coupled to an agitator. The system includes a component positioning device structured to selectively, and successively, position the component within the molten salt bath, the water rinse, the soap and water solution, the acid pickling solution, the soap and water solution again, and the acetone rinse. The system includes a number of heating devices to provide selected temperatures to various selected solutions.

No. of Pages: 28 No. of Claims: 27

(21) Application No.284/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 10/02/2014 (43) Publication Date: 11/04/2014

## (54) Title of the invention: PHARMACEUTICAL COMPOSITION FOR TREATMENT AND/OR PROPHYLAXIS OF CANCER

<ul><li>(51) International classification</li><li>(31) Priority Document No</li></ul>	:C12N15/09,A61K39/395,A61K48/00	(71)Name of Applicant:  1)TORAY INDUSTRIES, INC.  Address of Applicant: 1-1, Nihonbashi Muromachi 2-chome,
(32) Priority Date	:04/08/2011	Chuo-ku, Tokyo 103-8666, JAPAN
(33) Name of priority country	:Japan	(72)Name of Inventor: 1)KOBAYASHI Shinichi
(86) International Application No Filing Date	:PCT/JP2012/069857 :03/08/2012	2)OKANO Fumiyoshi 3)SAITO Takanori
(87) International Publication No	:WO 2013/018892	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

The present invention provides an antibody having as a target a cancer antigen protein specifically expressed at the surface of cancer cells and an application of the antibody as a cancer treatment and/or prevention agent, specifically providing: an antibody or fragment thereof having immunological reactivity with the CAPRIN-1 protein and containing a heavy-chain variable region containing the complementarity determining region of sequence numbers 5, 6, and 7 and a light-chain variable region containing the complementarity determining region of sequence numbers 9, 10, and 11; and a drug composition that is for cancer treatment and/or prevention and that is characterized by containing the antibody or fragment as an active ingredient.

No. of Pages: 84 No. of Claims: 8

(21) Application No.3110/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/10/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: AGITATOR BALL MILL HAVING WEAR PREVENTION

(51) International classification	:B02C17/22	(71)Name of Applicant :
(31) Priority Document No	:10 2011 051 041.9	1)MASCHINENFABRIK GUSTAV EIRICH GMBH & CO.
(32) Priority Date	:14/06/2011	KG
(33) Name of priority country	:Germany	Address of Applicant: Walldürner Stra e 50, 74736 Hardheim,
(86) International Application No	:PCT/EP2012/060523	GERMANY
Filing Date	:04/06/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2012/171825	1)SEILER, Andreas
(61) Patent of Addition to Application	:NA	2)AHKE, Klaus
Number Filing Date	:NA	
(62) Divisional to Application Number	:NA	
	:NA	
Filing Date	.INA	

## (57) Abstract:

The invention relates to an agitator ball mill having a vertically arranged container, in which there an agitator that can be rotated about a vertical axis is arranged, and having at least one wear prevention element that can be fitted to the container inner wall with the aid of a fixing system, wherein the fixing system comprises a fixing pin and a fixing cut-out, which are arranged on the container inner wall and/or the rear side of the wear prevention element in such a way that the wear prevention element can be fixed to the container inner wall by means of a movement of the wear prevention element in a direction which forms an angle  $> 0^{\circ}$  with the vertical axis of the rotatable agitator, in that the fixing pin is guided into the fixing cut-out.

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

(21) Application No.3251/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention : APPARATUS METHOD AND COMPUTER PROGRAM PRODUCT FOR ADJUSTING HANDOVER PARAMETERS

(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 :PCT/SE2011/050447 :12/04/2011 :WO 2012/141627 :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)BERGMAN Petter 2)WERNER Peter
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

It is presented a method for adjusting handover parameters of a processed base station in relation to neighbouring base stations neighbouring the processed base station. The method being executed in a handover parameter determiner and comprises: obtaining (20) a list of neighbouring base stations of the mobile communication network; determining (22) for each of the neighbouring base stations in the list a capability to send handover issue report messages; and adjusting (24) the handover parameters based on the determined capabilities for each of the neighbouring base stations in the list.

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

(21) Application No.1016/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/04/2013 (43) Publication Date : 11/04/2014

## (54) Title of the invention: DEVICE FOR MONITORING INTRAOCULAR 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</li> <li>Filing Date</li> </ul>	:A61B3/16 :1017637.8 :20/10/2010 :U.K. :PCT/GB2011/052032 :20/10/2011 :WO 2012/052765 :NA :NA	(71)Name of Applicant:  1)UNIVERSITY OF DUNDEE  Address of Applicant:11 Perth Road, Dundee DD1 4HN U.K.  2)CONTACT LENS PRECISION LABORATORIES LTD  (72)Name of Inventor:  1)ELSHEIKH, Ahmed  2)CLAMP, John
* *		
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Disclosed is a device adapted to measure intraocular pressure comprising: a corneal contact lens having a pressure sensor mounted in a recess or cavity in the contact lens and wherein the contact lens has a back surface which is formed so as to protrude in a desired portion beyond the profile of the adjacent part of the lens and thus to press against the cornea which protruding portion experiences a reactive deformation which is detected directly or indirectly by the pressure sensor.

No. of Pages: 44 No. of Claims: 40

(21) Application No.1851/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/06/2013 (43) Publication Date : 11/04/2014

## (54) Title of the invention: METHOD AND ARRANGEMENT FOR NETWORK CODED BIDIRECTIONAL RELAYING

<ul> <li>(51) International classification</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>	:H04L1/00 :NA :NA :NA :PCT/SE2010/051254	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)MANSSOUR Jawad
Filing Date	:16/11/2010	
<ul><li>(87) International Publication No</li><li>(61) Patent of Addition to Application</li></ul>	:WO 2012/067553	
Number	:NA :NA	
Filing Date (62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to coded multidirectional relaying in a network communication system. By sending information about the processing (610 724 736 818 822) and modulation (742 828) of data performed in a network coding node (104 200 404 504) to a first (102 300 402 502) and second (106 300 406 506) network decoding nodes network decoding can be correctly performed by the first and second network decoding nodes in general and not just for special communication cases.

No. of Pages: 47 No. of Claims: 16

(21) Application No.1852/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 10/06/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: MOTHERBOARD AND MOBILE TERMINAL

:NA

:NA

(51) International classification :H04M1/60,H04M1/725 (71)Name of Applicant : (31) Priority Document No :201010587227.2 1)HUAWEI DEVICE CO. LTD. Address of Applicant : Building B2 Huawei Industrial Base (32) Priority Date :07/12/2010 (33) Name of priority country :China Bantian Longgang District Shenzhen Guangdong 518129 China (72)Name of Inventor: (86) International Application No :PCT/CN2011/083547 1)SHAO Jianli Filing Date :06/12/2011 (87) International Publication No :WO 2012/075932 (61) Patent of Addition to Application :NA Number :NA Filing Date

## (57) Abstract:

Filing Date

The present invention describes a motherboard and mobile terminal relating to the technical field of communications. The motherboard of the embodiments of the present invention comprises a signal input module, a signal output module, a signal detector circuit, a comparator circuit, and a control circuit; characterized in that the signal detector circuit detecting at least one of the signal strength, noise strength or signal-to-noise ratio of the signal input module has received the signal, and inputting at least one of the signal strength, noise strength or signal-to-noise ratio to the comparator circuit; inputting the result of the comparison to the control circuit after the comparator circuit has compared at least one of the signal strength, noise strength or signal-to-noise ratio with the default value, the control circuit controls the output signal of the signal output module according to the comparison result. Embodiments of the present invention can adjust sounds according to the signal from the comparator circuit, thus preventing poor user experience and damages to the user's hearing caused by noise.

No. of Pages: 17 No. of Claims: 7

(62) Divisional to Application Number

(21) Application No.326/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 14/02/2014

(43) Publication Date: 11/04/2014

## (54) Title of the invention : MULTI-STRUCTURAL, MULTI-LEVEL INFORMATION FORMALIZATION AND STRUCTURING METHOD, AND ASSOCIATED APPARATUS

(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 Classification (51) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date (53) International Publication Sumber Filing Date (54) Divisional to Application Number Filing Date (55) International Classification (51) Patent of Addition to Suma Suma Suma Suma Suma Suma Suma Suma	H1/00  (71)Name of Applicant:  1)ZHIRKOV, Alexander  Address of Applicant: 4231 Rockridge Crescent, West  Vancouver, British Columbia V7W 1A9, CANADA  2)ORAEVSKY, Alexey  3)GRICHINE, Andrei  4)BLONDHEIM, George  5)WANDINGER, Max  6)ATTWOOD, Wade  (72)Name of Inventor:  1)ZHIRKOV, Alexander  2)ORAEVSKY, Alexey  3)GRICHINE, Andrei  4)BLONDHEIM, George  5)WANDINGER, Max  6)ATTWOOD, Wade
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#### (57) Abstract:

Systems and methods are provided for structuring information, including analyzing an original digital information file (DIF) to determine an information quantity (IQ) and an information value (IV). An initial manipulation process is applied to the original DIF to form a first resulting DIF, and a subsequent manipulation process applied to the first resulting DIF to form a second resulting DIF, wherein each manipulation process removes at least one element of the processed DIF and/or represents a combination of elements with a representative element and a first indicia of an interrelationship between the representative element and one or more elements in the combination, to reduce the IQ of the processed DIF, while retaining the IV thereof within a threshold. Manipulation processes are successively applied to the previously resulting DIF until successive applications do not achieve a threshold reduction in IQ. The last resulting DIF has a primary structure with a reduced IQ and an IV within the threshold of the original IV.

No. of Pages: 86 No. of Claims: 63

(21) Application No.3141/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/10/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: REPLACEMENT COMPONENT FOR ELECTROLYSER FLANGES

(51) International classification	:C25B9/18,C25B15/00	(71)Name of Applicant:
(31) Priority Document No	:MI2011A001070	1)UHDENORA S.P.A.
(32) Priority Date	:14/06/2011	Address of Applicant :Via Bistolfi 35 I 20134 Milano Italy
(33) Name of priority country	:Italy	(72)Name of Inventor:
(86) International Application No	:PCT/EP2012/061360	1)STEYER Timo
Filing Date	:14/06/2012	
(87) International Publication No	:WO 2012/172021	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.INA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention relates to a cell of a modular electrolyser having a frame shaped flange formed by two superposed elements welded along the internal periphery in order to increase the local flange thickness in a portion of higher exposure to corrosion for the sake of improving its resistance. A method of repairing electrolysis cells having a frame shaped flange formed by two superposed elements by removing and replacing only the outermost frame more subject to corrosion is also described.

No. of Pages: 9 No. of Claims: 6

(21) Application No.3142/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : TORQUE SENSOR ARRANGEMENT AND SHAFT COMPRISING A TORQUE SENSOR 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:G01L3/10 :10 2011 075 400.8 :06/05/2011 :Germany :PCT/EP2012/056448 :10/04/2012 :WO 2012/152515 :NA :NA :NA	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: Wittelsbacherplatz 2 80333 München Germany (72)Name of Inventor: 1)BRUMMEL Hans Gerd 2)GÖTZ Jürgen 3)LINNERT Uwe 4)MAIER Carl Udo 5)OSTERMAIER Jochen
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## (57) Abstract:

The invention relates to a torque sensor arrangement comprising a contactless torque sensor (1) in which the torque sensor (1) is arranged on an electrically operating linear carriage (13).

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

(21) Application No.3143/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/10/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: CUTTING TOOL CUTTING TOOL BODY AND CUTTING TOOL SUPPORT PAD THEREFOR

(51) International classification	:B23B51/00	(71)Name of Applicant:
(31) Priority Document No	:61/496402	1)ISCAR LTD.
(32) Priority Date	:13/06/2011	Address of Applicant :P.O. Box 11 24959 Tefen Israel
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/IL2012/000202	1)HECHT Gil
Filing Date	:23/05/2012	
(87) International Publication No	:WO 2012/172537	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	37.4	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A cutting tool (10 figure 1) having at least one cutting tool support pad (24). The cutting tool support pad (24) includes two opposing primary surfaces (42) each primary surface (42) includes an abutment surface (54) and at least one convex contact surface (50). For each primary surface (42) the at least one contact surface (50) extends outwardly further than the abutment surface (54). The abutment surface (54) may be formed by multiple abutment sub surfaces (56). A pocket (22 figure 3) for the support pad (24) has a support surface (26) with recesses (38) to accommodate the contact surface (62) which are in non operational positions.

No. of Pages: 16 No. of Claims: 24

(21) Application No.328/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 14/02/2014 (43) Publication Date: 11/04/2014

## (54) Title of the invention: ALUMINUM ALLOY SHEET AND METHOD FOR MANUFACTURING SAME

(51) International classification: C22C21/06,B21B3/00,B22D11/00

:10/07/2012

(31) Priority Document No :2011-162284 (32) Priority Date :25/07/2011 (33) Name of priority country: Japan

(86) International Application :PCT/JP2012/067587 No

Filing Date

(87) International Publication :WO 2013/015110

(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)NIPPON LIGHT METAL COMPANY, LTD.

Address of Applicant :2-2-20, Higashi-shinagawa, Shinagawa-

ku, Tokyo 140-8628, JAPAN

2) NISSAN MOTOR CO., LTD

(72)Name of Inventor:

1)Tomoyuki HIRAYAMA

2)Pizhi ZHAO

3)Takeshi HANDA

4)Toshiya ANAMI

5)Yusuke NAGAISHI

6)Koji ITAKURA

7)Hirokazu MIYAGAWA

8)Tsutomu HATTORI

9)Shigenori YOSHIZAWA

10) Akio YOSHIZAWA

#### (57) Abstract:

This aluminum alloy plate is provided with an aluminum alloy substrate containing, by mass percentage, 3.0 to 4.0% magnesium, 0.2 to 0.4% manganese, 0.1 to 0.5% iron, 0.03 to less than 0.10% copper, and less than 0.20% silicon, with the remainder composed of aluminum and unavoidable impurities. The peak density of the copper density distribution in the thickness direction in the region at a depth from 15 nm to 200 nm from the surface of the aluminum alloy substrate is at least 0.15%, the aluminum alloy substrate having a recrystallization structure with an average crystal particle diameter of 15 µm or less.

No. of Pages: 35 No. of Claims: 6

(21) Application No.3280/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD FOR PACKING STRIP TYPE OBJECTS ESPECIALLY STRIPS OF CHEWING GUM AND PACKAGING PRODUCED THEREBY

(51) International :B65D77/02,B65D85/60,B65B5/06

classification

:10 2011 075 641.8

(31) Priority Document No (32) Priority Date

:11/05/2011 (33) Name of priority country: Germany

(86) International Application

:PCT/EP2012/058205

:04/05/2012

Filing Date

(87) International Publication

:WO 2012/152676

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

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)LOESCH Verpackungstechnik GmbH

Address of Applicant :Industriestr. 1 96146 Altendorf

Germany

(72) Name of Inventor:

1)HAMMACHER Heinz Peter

#### (57) Abstract:

The invention relates to a packing method according to which a packaging is produced wherein a plurality of stacks (20) or layers of individual packed strip type objects (12) are packed as a group (10) in a second packaging material (52). One of the front surfaces (16) of the individual strips (12) is stuck to the bottom (54) of the formed packaging (50). The strip packaging material and the adhesive are produced such that respectively one strip (12) can be removed from the external packaging (50). The remaining strips (12) remain arranged in the original position thereof in the packaging (50) without sliding and falling into each other when individual strips (12) have already been removed from the packaging (50). A package band or a half wrapper for holding and fixing the strips (12) inside the packaging (50) is rendered superfluous. The strips (12) are preferably respectively packed in a piece of packaging material that has a perforation (32) for separation into a first part and a second part. The first part (34) is stuck to the external packaging (50) and remains fixed in the external packaging when a strip (12) is removed from the full packaging (50). The second part (36) remains on the strip (12) and is removed from the external packaging (50) therewith partially opening the strip (12). As a result the invention enables the production of an advantageous user friendly packaging with an attractive design.

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

(21) Application No.1927/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/06/2013 (43) Publication Date: 11/04/2014

:WO 2012/076977

## (54) Title of the invention: METHOD OF EXTRACTING ACTIVE MOLECULES FROM NATURAL RESINS AND USE THEREOF

(51) International :B01D11/02,A61K36/00,A23L1/30 classification

:MI2010A002268 (31) Priority Document No (32) Priority Date :10/12/2010

(33) Name of priority country: Italy

(86) International Application :PCT/IB2011/003013

No :09/12/2011

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

(71)Name of Applicant:

1)RODE PHARMA S.R.L.

Address of Applicant: VIALE DUCA D'AOSTA 3, I-21052

BUSTO ARSIZIO (VA) ITALY

(72)Name of Inventor:

1)AMELOTTI,LUIGI 2)SECONDINI, LORENZO

#### (57) Abstract:

The present invention relates to a method of extracting active molecules from natural resins and/or essential oils. In particular, the present invention relates to a method of extracting active molecules selected from the group comprising terpenes, flavonoids, anthocyanins and catechins. Moreover, the present invention relates to an extract, preferably in liquid form, obtained with said method. Finally, the present invention relates to the use of said extract containing the active molecules selected from the group comprising terpenes, flavonoids, anthocyanins and catechins for the preparation of a food composition or supplement or a pharmaceutical composition.

No. of Pages: 44 No. of Claims: 10

(21) Application No.1928/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/06/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : MULTILAYER AND COMPOSITION GRADIENT STRUCTURES WITH IMPROVED DAMPING 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 Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:61/427,776 :28/12/2010 :U.S.A. :PCT/EP2011/073021 :16/12/2011 :WO 2012/089534 :NA :NA	(71)Name of Applicant:  1)CYTEC TECHNOLOGY CORP.  Address of Applicant: 300 DELAWARE AVENUE, WILMINGTON, DELAWARE 19801 U.S.A. (72)Name of Inventor:  1)RESTUCCIA, CARMELO, LUCA 2)FRULLONI, EMILIANO
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Composite materials having favorable acoustic and vibration damping properties, while maintaining or improving other composite mechanical properties, include an interleaf layer comprising at least two different nonwoven materials in a specific sequence such that a gradient is formed in the z direction upon curing or an interleaf with a compositional gradient within its structure such that a resin interpenetration gradient is achieved upon curing. Composite materials that contain multilayered nonwoven interleaves are useful, for example, in structures found in aircrafts, such as fuselage skins stringers and frames. Also contemplated are methods of making the composite material and the structures and aircrafts that contain the composite material.

No. of Pages: 46 No. of Claims: 24

(21) Application No.1929/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/06/2013 (43) Publication Date : 11/04/2014

## (54) Title of the invention: INTRAOCULAR LENS TRANSFER CASE

(51) International classification	:A61M5/31	(71)Name of Applicant :
(31) Priority Document No	:61/424,883	1)NOVARTIS AG
(32) Priority Date	:20/12/2010	Address of Applicant :LICHTSTRASSE 35, CH-4056 BASEL
(33) Name of priority country	:U.S.A.	SWITZERLAND
(86) International Application No	:PCT/US2011/065574	(72)Name of Inventor:
Filing Date	:16/12/2011	1)BROWN, KYLE
(87) International Publication No	:WO 2012/087836	2)YAN, DENGZHU
(61) Patent of Addition to Application	:NA	3)DOWNER, DAVID
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

An intraocular lens (IOL) transfer case for transferring an IOL to an injection cartridge includes a lens holder for holding the IOL. The lens holder includes a bore. Folding members within the lens holder are configured to fold the IOL into a partially folded position when the IOL is slid through the bore across the folding members. The IOL transfer case also includes an interface configured to removably connect to an injection cartridge. The interface is positioned to deliver the IOL in the partially folded position within the injection cartridge when the interface is connected to the injection cartridge. The IOL transfer case also includes a plunger connected to the lens holder and configured to push the IOL in the partially folded position through the bore to deliver the IOL into the injection cartridge.

No. of Pages: 16 No. of Claims: 15

(21) Application No.327/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :14/02/2014 (43) Publication Date : 11/04/2014

## (54) Title of the invention: CURRENT COLLECTOR FOR BIPOLAR LITHIUM ION SECONDARY BATTERY

(51) International :H01M4/66,H01M4/70,H01M10/0525

(31) Priority Document No: 2011-163258

(31) Priority Document No :2011-163258 (32) Priority Date :26/07/2011

(33) Name of priority :Japan

country

(86) International :PCT/JP2012/068143

Application No
Filing Date

118/07/2012

(87) International

Publication No :WO 2013/015159

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

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

(71)Name of Applicant:

1)NISSAN MOTOR CO., LTD.

Address of Applicant :2, Takara-cho, Kanagawa-ku

Yokohama-shi, Kanagawa 221-0023, JAPAN

(72)Name of Inventor: 1)Yasuyuki TANAKA

#### (57) Abstract:

A collector (3) for bipolar lithium ion secondary batteries of the present invention comprises: a first conductive layer (3A) that is obtained by adding a conductive filler to a base that contains an imide group-containing resin; and a second conductive layer (3B) that has a function of blocking lithium ions. The second conductive layer (3B) comprises: a blocking resin layer (3a) that is obtained by adding a conductive filler to a base that contains a resin which contains no imide group; and a metal layer (3b). This collector (3) for bipolar lithium ion secondary batteries is used in such a manner that the first conductive layer (3A) is on the positive electrode active material layer side with respect to the second conductive layer (3B).

No. of Pages: 43 No. of Claims: 6

(21) Application No.1023/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 11/04/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: LOW DIELECTRIC GLASS AND FIBER GLASS

:WO 2013/036505

(51) International classification: A61N1/36,H01R13/24,A61N1/05 (71) Name of Applicant:

:NA

(31) Priority Document No :13/229,012 (32) Priority Date :09/09/2011

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

(86) International Application :PCT/US2012/053742

No

:20/09/2012 Filing Date

(87) International Publication

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

Filing Date (62) Divisional to Application :NA Number

Filing Date

1)PPG INDUSTRIES OHIO, INC.

Address of Applicant: 3800 WEST 143RD STREET,

CLEVELAND, OHIO 44111 U.S.A.

(72)Name of Inventor:

1)LI, Hong

2)RICHARDS, Cheryl, A.

#### (57) Abstract:

A modular biomedical implant includes a processor an electrode array and a cable. The first end of the cable is attached to the electrode array and a second end of the cable terminates in a first array of contacts. A second array of contacts is electrically connected to the processor. A separate anisotropic conductor is disposed between the first array of contacts and the second array of contacts and forms electrical connections between the first array of contacts and the second array of contacts. A method for replacing a processor of a modular biomedical implant is also provided.

No. of Pages: 42 No. of Claims: 52

(21) Application No.1136/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :01/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : APPARATUS AND METHOD FOR CONTROLING POWER IN A SHORT-RANGE COMMUNICAITION DEVICE.

(51) International classification	:H04W	(71)Name of Applicant:
(31) International classification	12/00	1)SAMSUNG ELECTRONICS CO., LTD.
(31) Priority Document No	:10-2012-	Address of Applicant :129, Samsung-ro, Yeongtong-gu
(31) Thority Document No	0111284	Suwon-si, Gyeonggi-do,443-742, Republic of Korea
(32) Priority Date	:08/10/2012	(72)Name of Inventor :
(33) Name of priority country	:Republic	1)KWANG-WON SEO
(33) Name of priority country	of Korea	2)YOUNG-SIN MOON
(86) International Application No	:NA	3)KHI-SOO JEONG
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		·

#### (57) Abstract:

An apparatus and method for controlling power in a short-range communication device are configured such that when the short-range wireless communication device is connected to a portable terminal by Near Field Communication (NFC), a link key request message requesting a link key is transmitted to the portable terminal, and upon receipt of a link key confirm message from the portable terminal in response to the link key request message, the short-range wireless communication device is powered on.

No. of Pages: 26 No. of Claims: 16

(21) Application No.287/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 10/02/2014 (43) Publication Date: 11/04/2014

## (54) Title of the invention: CONTENT SECURITY FOR A MOBILE COMMUNICATION TERMINAL

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority	:H04N21/41,H04N21/439,H04N21/6543 :NA :NA	(71)Name of Applicant:  1)UNIFY GMBH & CO. KG Address of Applicant: Hofmannstr. 51, 81379 Munich, GERMANY (72)Name of Inventor:  1)KARIMI-CHERKANDI, Bizhan
country	:NA	2)KOUCHRI, Farrokh Mohammadzadeh
(86) International Application No Filing Date	:PCT/US2012/035088 :26/04/2012	3)ALI, Schah Walli
(87) International Publication No	:WO 2013/162556	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A method for outputting sensitive data to a user includes a communication terminal checking to determine whether at least a portion of the sensitive data is to be outputted by determining whether the communication terminal is in one of a plurality of predefined communication configurations for outputting the sensitive data. If the communication terminal is found to be a first configuration, the communication terminal transmits the sensitive data so that at least one of the video data and the audio data is output to the user via at least one peripheral device connected to the communication terminal. If the communication terminal is in a second configuration, the communication terminal performs at least one security action to help further protect the sensitive data.

No. of Pages: 43 No. of Claims: 24

(21) Application No.3006/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/10/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: COVER FOR ELECTROLYTIC BATTERIES WITH CENTRALIZED DEGASSING

(51) International classification	:H01M2/04.H01M2/12	(71)Name of Applicant :
(31) Priority Document No	:MI 2011 A 000478	1)ACCUMA S.P.A.
(32) Priority Date	:25/03/2011	Address of Applicant :Via Eustachi 46 I 20129 Milano Italy
(33) Name of priority country	:Italy	(72)Name of Inventor:
(86) International Application No	:PCT/EP2012/050338	1)GIBELLINI Folco
Filing Date	:11/01/2012	
(87) International Publication No	:WO 2012/130482	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.117	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A cover for electrolytic batteries comprising an upper face (3 31) and a lower face and provided with a plurality of openings (41 51) for filling with electrolyte for respective electrolytic cells of the container each one of the openings (41 51) being surrounded by a wall the walls of the openings being crossed transversely by a common gas collection channel (7) which is connected to a seat (61) for a frit the seat (61) of the frit being arranged on the upper face (3 31) of the cover laterally with respect to the common gas collection channel (7) and on a plane which is comprised between the channel (7) and the upper face (3 31) of the cover.

No. of Pages: 24 No. of Claims: 11

(21) Application No.329/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :14/02/2014

(43) Publication Date: 11/04/2014

## (54) Title of the invention: SUSPENSION DEVICE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application</li> <li>No <ul> <li>Filing Date</li> </ul> </li> <li>(87) International Publication</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>	:B62K5/02,B62K25/08,F16F9/54 :2011-161519 :25/07/2011 :Japan :PCT/JP2012/065828 :21/06/2012 :WO 2013/015049 :NA :NA	(71)Name of Applicant:  1)KAYABA INDUSTRY CO., LTD. Address of Applicant: World Trade Center Bldg., 4-1, Hamamatsu-cho 2-chome, Minato-ku, Tokyo 1056111, JAPAN 2)YAMAHA HATSUDOKI KABUSHIKI KAISHA. (72)Name of Inventor: 1)Tsutomu YOSHIMOTO 2) Kazuhisa TAKANO
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A suspension device, comprising a shock absorber body having an inner tube and an outer tube wherein the inner tube is slidably inserted, comprises: at least one guide rod fixed in parallel to either the inner tube or the outer tube; and a guide member fixed to the other of either the inner tube or the outer tube and which supports a slidably piercing guide rod.

No. of Pages: 14 No. of Claims: 4

(21) Application No.305/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/02/2014 (43) Publication Date: 11/04/2014

## (54) Title of the invention: RSPO BINDING AGENTS AND USES THEREOF

(51) International classification :A61K39/395,G01N33/574 (71)Name of Applicant :

(31) Priority Document No :61/508,403 (32) Priority Date :15/07/2011

(33) Name of priority country :U.S.A. (86) International Application No :PCT/US2012/046746

Filing Date :13/07/2012

(87) International Publication No :WO 2013/012747

(61) Patent of Addition to Application :NA

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

1)ONCOMED PHARMACEUTICALS, INC.

Address of Applicant: 800 Chesapeake Drive, Redwood City,

CA 94063 U.S.A.

(72)Name of Inventor:

1) GURNEY, Austin, L.

2) AXELROD, Fumiko, Takada 3) HOEY, Timothy, Charles

4) CHARTIER-COURTAUD, Cecile

## (57) Abstract:

The present invention relates to RSPO-binding agents and methods of using the agents for treating diseases such as cancer. The present invention provides antibodies that specifically bind human RSPO proteins and modulate \( \beta \)-catenin activity. The present invention further provides methods of using agents that modulate the activity of RSPO proteins, such as antibodies that specifically bind RSPO1, RSPO2, and/or RSPO3 and inhibit tumor growth. Also described are methods of treating cancer comprising administering a therapeutically effect amount of an agent or antibody of the present invention to a patient having a tumor or cancer.

No. of Pages: 183 No. of Claims: 173

(21) Application No.3314/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application:08/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: PASSIVE INFRA RED DETECTOR

(51) International classification	:G08B13/193	(71)Name of Applicant:
(31) Priority Document No	:1106821.0	1)C.P. ELECTRONICS LIMITED
(32) Priority Date	:21/04/2011	Address of Applicant :Brent Crescent London Greater London
(33) Name of priority country	:U.K.	NW10 7XR U.K.
(86) International Application No	:PCT/GB2012/050879	(72)Name of Inventor:
Filing Date	:20/04/2012	1)MESSIOU Antoine Yvon
(87) International Publication No	:WO 2012/143729	2)MILNER Merlin
(61) Patent of Addition to Application	:NA	3)MANS Paul
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A passive infra red detector comprises a plurality of passive infra red sensors (4 5) and a lens member (2) arranged to direct radiation from a target area onto the sensors. The lens member (2) forms a substantially hemispherical dome about the infra red sensors (4 5). The dome has a central axis and a plurality of contiguous facets (2a 2g) distributed about the central axis. Each facet has a flat outer surface and an inner surface that forms a lens to direct radiation onto the sensors. The detector further comprises a first passive infra red sensor (4) aligned with the central axis of the dome and having a sensitive surface substantially normal to the central axis and a plurality of second passive infra red sensors (5) distributed about the central axis of the dome. The second passive infra red sensors (5) are inclined such that the outward normal from the sensitive surface of each second passive infra red sensor (5) makes an acute angle with the outward direction of the central axis. The detector is capable of detecting movement of people within a wide region from a significant height above that region.

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

(21) Application No.3315/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/11/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : METHOD FOR DETERMINING A TEMPERATURE IN A WINDING OF SUBCONDUCTORS OF AN ELECTRIC 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 Filing Date</li> </ul>	:G01K11/32,G01K1/14 :11169801.5 :14/06/2011 :EPO :PCT/EP2012/059662 :24/05/2012 :WO 2012/171768 :NA :NA	(71)Name of Applicant:  1)SIEMENS AKTIENGESELLSCHAFT Address of Applicant: Wittelsbacherplatz 2 80333 München Germany (72)Name of Inventor: 1)RÖDING Roland 2)ADOLF Haiko 3)BANDA Marcus 4)KEYSSNER Norbert 5)TREFFLICH Lothar
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#### (57) Abstract:

The invention relates to a method for determining a temperature at a predetermined location in a winding of subconductors (2) of an electric machine each subconductor being encased in electric subconductor insulation (3) and said method comprising the following steps: predetermining the location between one of the subconductors (2) and the associated subconductor insulation (3); arranging in said winding an optical fibre (5) with a sensor material piece (9) that is fixed to the predetermined location the optical properties of said sensor material piece (9) being temperature dependent and uninfluenced by stretching; exposing the sensor material piece (9) to light via the optical fibre (5) such that following an interaction with the sensor material piece (9) light is emitted from said sensor material piece (9); measuring the spectrum of the light; and using this spectrum to determine the temperature at the predetermined location.

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

(21) Application No.3316/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/11/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: PART HAVING A DLC COATING AND METHOD FOR APPLYING THE DLC COATING

(51) International :C23C28/04,C23C14/02,C23C14/06

classification

:16/05/2012

(31) Priority Document No :1154388 (32) Priority Date :19/05/2011

(33) Name of priority country: France

(86) International Application :PCT/FR2012/051109

No Filing Date

(87) International Publication: WO 2012/156647

(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)H.E.F.

Address of Applicant :Rue Beno®t Fourneyron F 42160

Andrezieux Boutheon France (72) Name of Inventor:

1) HEAU Christophe 2)BOMBILLON Laurent

3)MAURIN PERRIER Philippe

## (57) Abstract:

The invention relates to a part having a layer with a WC C composition gradient with the exception of a metal sub layer and with the exception of an ion implantation layer and a surface layer of DLC wherein said part is characterised by having cohesive behaviour in a scratch test.

No. of Pages: 18 No. of Claims: 9

(21) Application No.3212/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :31/10/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: HUMIDIFICATION CELL

(51) International classification	:H01M8/04	(71)Name of Applicant:
(31) Priority Document No	:11166699.6	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:19/05/2011	Address of Applicant: Wittelsbacherplatz 2 80333 München
(33) Name of priority country	:EPO	Germany
(86) International Application No	:PCT/EP2012/056889	(72)Name of Inventor:
Filing Date	:16/04/2012	1)BRANDT Torsten
(87) International Publication No	:WO 2012/156160	2)DATZ Armin
(61) Patent of Addition to Application	:NA	3)HAMMERSCHMIDT Albert
Number		4)HOFFMANN Joachim
Filing Date	:NA	5)LATZEL Silke
(62) Divisional to Application Number	:NA	6)MATTEJAT Arno
Filing Date	:NA	
		·

## (57) Abstract:

The invention relates to a humidification cell (1) of a fuel cell device (41) comprising a first outer plate (9a) and a second outer plate (9b). A gas chamber (21) a humidification water chamber (31) and a water permeable membrane (5) that separates the two chambers (21 31) are arranged between the first outer plate (9a) and the second outer plate (9b) starting from the first outer plate (9a). A first water permeable support element (7a) is arranged between the first outer plate (9a) and the membrane (5) said first support element (7a) being made of a woven fabric that consists of a plastic. A discharge and an entrainment of liquid water can be prevented during load changes or other non stationary fuel cell operating states accompanied by a sudden change of the gas volume flow in that the plastic is a flouroplastic. Advantageously the fluoroplastic consists at least partly preferably entirely of an alternating copolymer of ethylene and chlorotrifluorethylene (E CTFE).

No. of Pages: 21 No. of Claims: 8

(21) Application No.3213/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :31/10/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: STAMPING METHOD AND COMPONENTS PRODUCED THEREBY

(51) International classification :B21D53/88 (71)Name of Applicant: (31) Priority Document No :10 2011 103 295.2 1)JOHNSON CONTROLS GMBH (32) Priority Date :26/05/2011 Address of Applicant : Industriestraße 20 30 51399 Burscheid (33) Name of priority country :Germany Germany (86) International Application No :PCT/EP2012/053442 (72)Name of Inventor : Filing Date :29/02/2012 1)DANNHEISIG Andreas (87) International Publication No :WO 2012/159781 2)GROß Bernd (61) Patent of Addition to Application 3)KLINGSPOHN Jutta :NA Number 4) GOEBEL Matthias :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

The invention relates to a method for producing vehicle seat components in particular components of a seat adjuster by working a semifinished blank in a cutting manner by the method steps and relates to such vehicle seat components. In order to provide a method for producing vehicle seat components in particular components of a seat adjuster by working a semifinished blank in a cutting manner that can be carried out easily and at low cost and makes it possible to produce components that require little reworking and also to provide a vehicle seat component that is both suitable for reducing crash energies by deformation and has an adequate wear resistance it is provided that the method comprises local heating of the semifinished blank in the region of an intended cutting line of the vehicle seat components to be cut out and cutting out the vehicle seat components from the semifinished blank along the cutting line during or shortly after the heating.

No. of Pages: 12 No. of Claims: 10

(21) Application No.3214/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :31/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : DEVICE FOR SECURING A HEAD RESTRAINT TO A VEHICLE SEAT AND VEHICLE SEAT HAVING A HEAD RESTRAINT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B60N2/48 :10 2011 100 955.1 :09/05/2011 :Germany :PCT/EP2012/001955 :07/05/2012 :WO 2012/152427 :NA :NA	(71)Name of Applicant:  1)JOHNSON CONTROLS GMBH  Address of Applicant: Industriestraße 20 30 51399 Burscheid Germany (72)Name of Inventor:  1)HESTERBERG Joshua 2)GURBAL Ladislav
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a device for securing a head restraint to a seat of a vehicle in particular of a motor vehicle the head restraint having at least one typically two mounting rods which are pushed into associated receiving sleeves (4) the receiving sleeves (4) being secured to the vehicle seat by connecting elements (3) and the receiving sleeve (4) having a connecting section (5) which is connected in particular welded to the connecting element (3). According to the invention the connecting section (5) of the receiving sleeve (4) and the connecting element (3) are configured in the area in which said connecting element is contacted by the connecting section (5) in such a way that in the event of a displacement of the connecting element (3) along the connecting section (5) the angle of the connecting element with respect to the receiving sleeve (4) changes. As a result a particularly flexibly usable device for securing a head restraint to a vehicle seat is provided.

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

(21) Application No.335/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 14/02/2014

(43) Publication Date: 11/04/2014

# (54) Title of the invention: PHARMACEUTICAL COMPOSITION FOR TREATMENT AND/OR PREVENTION OF PANCREATIC CANCER

(51) International :A61K39/395,A61K45/00,A61P1/18

classification

(31) Priority Document No :2011-171310 (32) Priority Date :04/08/2011 (33) Name of priority country: Japan

(86) International

:PCT/JP2012/069829 Application No

:03/08/2012 Filing Date

(87) International Publication :WO 2013/018886

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)TORAY INDUSTRIES, INC.

Address of Applicant :1-1, Nihonbashi Muromachi 2-chome,

Chuo-ku, Tokyo 103-8666, JAPAN

(72)Name of Inventor: 1)MINAMIDA Yoshitaka 2)OKANO, Fumiyoshi

3)SAITO Takanori

## (57) Abstract:

The present invention relates to a pharmaceutical composition for treatment and/or prevention of pancreatic cancer, which comprises Caprin-1 protein or a fragment thereof having 7 to 12 or more continuous amino acid residues, and an immunologically reactive antibody or a fragment thereof as active ingredients.

No. of Pages: 226 No. of Claims: 10

(21) Application No.3095/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :22/10/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: ELECTROCHROMIC DEVICE

(51) International classification	:G02F1/15	(71)Name of Applicant:
(31) Priority Document No	:11503034	1)CHROMOGENICS AB
(32) Priority Date	:06/04/2011	Address of Applicant :Mrstagatan 4 S 753 23 Uppsala Sweden
(33) Name of priority country	:Sweden	(72)Name of Inventor:
(86) International Application No	:PCT/SE2012/050331	1)GRANQVIST Claes Göran
Filing Date	:26/03/2012	
(87) International Publication No	:WO 2012/138281	
(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 electrochromic device (1) comprises a layered structure (11) having an ion conducting electrolyte layer (20). The ion conducting electrolyte layer (20) in turn comprises particles (30) absorbing electromagnetic radiation. The particles (30) are electrically conducting. The particles have a main light absorption above 700 nm.

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

(21) Application No.3096/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :22/10/2013 (43) Publication Date : 11/04/2014

## (54) Title of the invention: HINGE DEVICE FOR DOORS SHUTTERS OR THE LIKE

(51) International classification	:E05F3/20,E05F1/12	(71)Name of Applicant :
(31) Priority Document No	:VI2011A000081	1)IN & TEC S.R.L.
(32) Priority Date	:05/04/2011	Address of Applicant :Via Scuole 1/G I 25128 Brescia Italy
(33) Name of priority country	:Italy	(72)Name of Inventor:
(86) International Application No	:PCT/IB2012/051707	1)BACCHETTI Luciano
Filing Date	:05/04/2012	
(87) International Publication No	:WO 2012/143812	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A hinge device for rotatably moving a closing element (D) comprising a fix element (11) anchorable to the stationary support structure (S) coupled to a movable element (10) anchorable to the closing element (D) for rotating around a first longitudinal axis (X) between an open position and a closed position. The device further includes at least one slider (20) movable along a respective second axis (Y) between a compressed and an extended position. One between the movable element (10) and the fix element (11) includes at least one operating chamber (30) defining the second axis (Y) so as to slidably house the slider (20) the other element comprising a pivot (40) defining the first axis (X). The pivot (40) and the slider (20) are reciprocally coupled so that to the rotation of the movable element (10) around the first axis (X) corresponds the sliding of the slider (20) along the second axis (Y) and vice versa.

No. of Pages: 86 No. of Claims: 99

(21) Application No.3371/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :14/11/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : PROCESS FOR PREPARING SAXAGLIPTIN AND ITS NOVEL INTERMEDIATES USEFUL IN THE SYNTHESIS THEREOF

(51) International classification	:A01N43/38,A61K31/40	(71)Name of Applicant:
(31) Priority Document No	:61/489478	1)APICORE LLC
(32) Priority Date	:24/05/2011	Address of Applicant :49 Napoleon Court Somerset NJ 08873
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2012/039353	(72)Name of Inventor:
Filing Date	:24/05/2012	1)KOVI Ravishanker
(87) International Publication No	:WO 2012/162507	2)RAPOLE Keshavrao
(61) Patent of Addition to Application	:NA	3)NAIK Ashish
Number	:NA	4)KANNAPAN Jayaraman
Filing Date	.NA	5)MADALA Muralikrishna
(62) Divisional to Application Number	:NA	6)THAKOR Sanjay F.
Filing Date	:NA	

(57) Abstract:

Methods of making saxagliptin pharmaceutically acceptable salts and hydrates thereof and intermediates thereof.

No. of Pages: 25 No. of Claims: 4

(21) Application No.3372/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/11/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: PROCESS FOR PRODUCING A PHOTOVOLTAIC CELL HAVING A SELECTIVE EMITTER

(51) International :H01L31/18,H01L31/0216,H01L21/225

:WO 2012/172226

classification

(31) Priority Document

:1155352

(32) Priority Date :17/06/2011

(33) Name of priority :France country

(86) International

:PCT/FR2012/050932 Application No

:26/04/2012 Filing Date

(87) International

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) COMMISSARIAT A LENERGIE ATOMIQUE ET AUX **ENERGIES ALTERNATIVES** 

Address of Applicant :25 Rue Leblanc Btiment Le Ponant D F

75015 Paris France (72)Name of Inventor:

1)PAVIET SALOMON Bertrand

2)GALL Samuel 3)MANUEL Sylvain

#### (57) Abstract:

The process according to the invention comprises the following steps: depositing an antireflection layer (7) containing n type dopants on a p type or n type silicon substrate (1) said deposition being carried out in the presence of a chemical compound that accelerates diffusion of the n type dopant atoms into said substrate (1); overdoping at least one zone of the substrate (1) so as to produce at least one overdoped n++ emitter (6) by diffusing in specific locations the n type dopants from at least one zone of the antireflection layer (7); depositing at least one n type conductive material (3) on the at least one overdoped n++ emitter (6) and at least one p type conductive material (4) on the side of the substrate (1) opposite that comprising the antireflection layer (7); and producing n type contacts (3) and p type contacts (4) at the same time as an n+ emitter (5) by way of an anneal able to make n type dopants diffuse into the substrate from the antireflection layer (7).

No. of Pages: 19 No. of Claims: 11

(21) Application No.3373/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 14/11/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: BLOOD ANALYZER BLOOD ANALYSIS METHOD AND COMPUTER PROGRAM

(51) International classification :G01N33/49,G01N21/64,G01N33/48

(31) Priority Document No :2011100810

(31) Priority Document No :2011100810 (32) Priority Date :28/04/2011

(33) Name of priority country :Japan

(86) International :PCT/JP2012/058589

Application No
Filing Date :30/03/2012

(87) International

Publication No :WO 2012/147451

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

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

(71)Name of Applicant:

1)SYSMEX CORPORATION

Address of Applicant :5 1 Wakinohama Kaigandori 1 chome

Chuo ku Kobe shi Hyogo 6510073 Japan

(72)Name of Inventor: 1)YOSHIDA Ayumu 2)KATAOKA Yukiko

3)TSUJI Tomohiro

#### (57) Abstract:

Provided are a blood analyzer a blood analysis method and a computer program whereby an abnormal lymphocyte can be distinguished from a blast and an atypical lymphocyte and thus detected. In the blood analyzer (1) an assay sample is prepared in a sample preparation part (22) by mixing a first reagent containing a hemolytic agent and a second reagent containing a fluorescent dye for staining nucleic acid with a blood specimen. The hemolytic agent is substantially free from a cationic surfactant and contains a nonionic surfactant. In the blood analyzer (1) the assay sample is assayed in a detection part (23) and the assay data output from the detection part (23) is processed by an information processing unit (5). Thus an abnormal lymphocyte and a blast can be separately detected. The information processing unit (5) outputs the analysis results on the basis of the detection results.

No. of Pages: 95 No. of Claims: 21

(21) Application No.297/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 11/02/2014 (43) Publication Date: 11/04/2014

## (54) Title of the invention: AUTOMATIC AUTHORIZATION OF PROGRAMMATIC TRANSACTIONS

(51) International classification :G06Q 20/00 :10/894,347 (31) Priority Document No (32) Priority Date :19/07/2004 (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2005/025720 (72)Name of Inventor :

Filing Date :19/07/2005 (87) International Publication No :WO/2006/014721

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

(62) Divisional to Application Number :218/KOLNP/2007 Filed on :17/01/2007

(71)Name of Applicant:

1) AMAZON TECHNOLOGIES, INC.

Address of Applicant: 920 INCLINE WAY, SUITE C,

INCLINE VILLAGE, NEVADA 89451 U.S.A.

1)GUPTA, VIKAS

2) VERMEULEN, ALLAN, H.

3) WEI, EUGENE 4) JASSY, ANDREW, R. 5)BEZOS, JEFFREY, P. 6)KRAUSE, DUANNE, J. 7) SCHAPPELL, DAVID, A.

# (57) Abstract:

Techniques are described for facilitating interactions between computing systems, such as via a third-party transaction authorization system that automatically authorizes transactions between parties. In some situations, the transactions are programmatic transactions involving the use of fee-based Web services by executing application programs (255), with the transaction authorization system authorizing and/or providing payments for transactions between Web service provider and consumer parties in accordance with private authorization instructions previously specified by the parties. The authorization instructions may include predefined instruction rule sets that regulate conditions under which a potential transaction can be authorized, with the instruction rule sets each referenced by an associated reference token. The transaction authorization system (820a) can then receive a reference token from each party to a potential transaction, and determine whether to authorize the transaction based on whether the instruction rule sets associated with the reference tokens (257) are compatible or otherwise satisfied.

No. of Pages: 82 No. of Claims: 23

(21) Application No.2971/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : METHOD AND DEVICE FOR SOFT BUFFER MANAGEMENT BASED ON USER EQUIPMENT CATEGORIES IN A COMMUNICATIONS NETWORK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number</li> </ul>	:61/475181 :13/04/2011 :U.S.A. :PCT/SE2011/051572 :22/12/2011 :WO 2012/141638 :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: SE 164 83 Stockholm Sweden (72)Name of Inventor: 1)GERSTENBERGER Dirk 2)LARSSON Daniel 3)SUNELL Kai Erik 4)WIEMANN Henning
. ,	:NA :NA :NA :NA	4)WIEMANN Henning

#### (57) Abstract:

The embodiments herein relate to a method in a user equipment (605) for communicating with a base station (603) in a communications network (600). The user equipment (605) is configured to communicate with the base station (603) according to a selectable of at least two user equipment categories. The user equipment (605) selects one of the at least two user equipment categories if information indicating the one of the user equipment categories is received from the base station (603). The user equipment (605) selects a default of the user equipment categories if no information indicating which of the user equipment categories is received from the base station (603). The user equipment (605) determines a soft buffer size according to the selected user equipment category. The user equipment (605) communicates with the base station (603) according to the selected user equipment category and applying the determined soft buffer size.

No. of Pages: 64 No. of Claims: 30

(21) Application No.338/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 14/02/2014

(43) Publication Date: 11/04/2014

# (54) Title of the invention: ARYL OR N-HETEROARYL SUBSTITUTED METHANESULFONAMIDE DERIVATIVES AS VANILLOID RECEPTOR LIGANDS

(51) International classification :C07D213/40,A61K31/44 (71)Name of Applicant : 1)GRÜNENTHAL GMBH (31) Priority Document No :11007807.8 Address of Applicant : Zieglerstrasse 6, D-52078 Aachen, (32) Priority Date :26/09/2011 (33) Name of priority country :EPO **GERMANY** (86) International Application No :PCT/EP2012/068877 (72)Name of Inventor: Filing Date :25/09/2012 1)FRANK-FOLTYN, Robert (87) International Publication No :WO 2013/045447 2)BAHRENBERG, Gregor (61) Patent of Addition to Application 3) CHRISTOPH, Thomas :NA Number 4)LESCH, Bernhard :NA Filing Date 5)LEE, Jeewoo (62) Divisional to Application Number :NA Filing Date :NA

## (57) Abstract:

The invention relates to aryl or N-heteroaryl substituted methanesulfonamide derivatives of Formula (I) as vanilloid receptor ligands, to pharmaceutical compositions containing these compounds and also to these compounds for use in the treatment and/or prophylaxis of pain and further diseases and/or disorders.

No. of Pages: 112 No. of Claims: 15

(21) Application No.3382/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/11/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: VOLTAGE SETTING DEVICE

(51) International :H02M7/483,H02M5/297,H02M5/22

classification .1102W1//483,1102W3/297,1102W3/2

(31) Priority Document No :10 2011 076 199.3

(32) Priority Date :20/05/2011
 (33) Name of priority

country :Germany

(86) International :PCT/EP2012/059346

Application No
Filing Date

1.1 C1/E1 2012
21/05/2012

(87) International

Publication No :WO 2012/160017

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

(62) Divisional to
Application Number
Filing Date
:NA

(71)Name of Applicant:

1)SIEMENS AKTIENGESELLSCHAFT

Address of Applicant: Wittelsbacherplatz 2 80333 München

Germany

(72)Name of Inventor : 1)GLINKA Martin

#### (57) Abstract:

The invention relates to a voltage setting device comprising at least one multi step voltage output (34), at least one power converter unit (30), which has at least one first power element (46) that forms at least a part of a power converter branch (32), and a control unit (44), which controls the first power element (46) according to a first voltage step structure ( $S_1$ ) such as to provide a branch voltage ( $U_z$ ). In order to provide a voltage setting device of the type in question in which non uniform output voltage steps can be generated in a particularly simple manner in terms of design, according to the invention the power converter unit (30) comprises at least one second power element (48) that, together with the first power element (46), forms the power converter branch (32) and comprises a group of modules (36.x), each comprising at least one energy store (38), a switch group (VB) and a module output (40), and in at least one control mode the control unit (44) is intended to control at least the group of modules (36.x) such as to provide the branch voltage ( $U_z$ ) in cooperation with the first power element (46) according to a second voltage step structure ( $S_2$ ) which is more detailed than the first voltage step structure ( $S_1$ ).

No. of Pages: 23 No. of Claims: 16

(21) Application No.3384/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/11/2013 (43) Publication Date: 11/04/2014

# (54) Title of the invention: PRENYLATED HYDROXYSTILBENES

(51) International classification	:C07C39/205,C07C39/215,A61P31/00	(71)Name of Applicant : 1)THE UNIVERSITY OF SYDNEY
(31) Priority Document No	:2011901663	Address of Applicant :Sydney NSW 2006 Australia
(32) Priority Date	:04/05/2011	(72)Name of Inventor:
(33) Name of priority country	:Australia	1)DUKE Colin Charles 2)TRAN Van Hoan
(86) International Application No Filing Date	:PCT/AU2012/000482 :04/05/2012	3)DUKE Rujee Kyokajee
(87) International Publication No	:WO 2012/149608	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Prenylated stilbene compounds and the use of such compounds in the treatment of diseases and medical disorders for example cancer skin ageing inflammation bacterial or fungal infection and immunosuppression.

No. of Pages: 101 No. of Claims: 69

(21) Application No.3385/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/11/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: MOBILE TERMINATED CALL IMPROVEMENTS

(51) International classification	:H04W24/04	(71)Name of Applicant:
(31) Priority Document No	:61/480453	1)Telefonaktiebolaget L M Ericsson (publ)
(32) Priority Date	:29/04/2011	Address of Applicant :SE 164 83 Stockholm Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/EP2012/057831	1)WANG Chunbo
Filing Date	:27/04/2012	2)YANG Yong
(87) International Publication No	:WO 2012/146747	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A method for a packet gateway node PGW (P GW) being adapted for communicating with at least a serving gateway node SGW (S GW) the PGW being adapted for receiving and forwarding downlink data packets to a user entity UE the SGW moreover being adapted for communicating with a mobility management entity MME (MME/SGSN); comprising the steps of when receiving a downlink user plane data packet (505) destined for the UE on a Packet Data Network PDN connection associated with a restarted SGW; determining (302) if the PDN connection has not yet been relocated to a new SGW and if so selecting (304) at least one SGW that is the restarted SGW or another SGW; transmitting (308) a control plane signal (511) to the selected SGW the control plane signal (511) identifying at least the UE. Further there is provided a method for a serving gateway node comprising the steps of the SGW if receiving (406) a control plane signal (511) from the PGW identifying at least the UE forwarding (410 412) the control plane signal to a plurality of MME s the SGW is connected to or to a MME indicated in the control plane signal (511). The MME may communicate its identity to the SGW and PGW.

No. of Pages: 34 No. of Claims: 33

(21) Application No.3386/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/11/2013 (43) Publication Date : 11/04/2014

## (54) Title of the invention: POWER CONTROL METHOD DEVICE AND SYSTEM

(51) International classification	:H04W52/04	(71)Name of Applicant:
(31) Priority Document No	:201110142177.1	1)HUAWEI TECHNOLOGIES CO. LTD.
(32) Priority Date	:27/05/2011	Address of Applicant :Huawei Administration Building
(33) Name of priority country	:China	Bantian Longgang Shenzhen Guangdong 518129 China
(86) International Application No	:PCT/CN2012/073984	(72)Name of Inventor:
Filing Date	:13/04/2012	1)YANG Kai
(87) International Publication No	:WO 2012/163185	2)PENG Xiang
(61) Patent of Addition to Application	:NA	3)LI Zhen
Number	:NA	
Filing Date	.11/13	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Disclosed are a power control method device and system. The power control method comprises: when a service is running in a first standard communication system determining the transmission power P1 of a first standard communication base station; determining that the transmission power P1 is greater than or equal to the power interference threshold value P2 of the first standard communication system to a second standard communication system; using the power smaller than P1 at the interference frequency point of the first standard communication system to send data the interference frequency point being the frequency point in hopping frequency points used in the service and causing interference to the second standard communication system. The power control method of the present invention can when it is judged that the first standard communication system will cause interference to the second standard communication system reduce the signal transmission power of the interference frequency point in the first standard communication system thereby reducing the interference caused by the first standard communication system to the second standard communication system.

No. of Pages: 42 No. of Claims: 19

(21) Application No.3387/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/11/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: PERMANENT MAGNET ROTOR AND ROTATING MACHINE COMPRISING SUCH A ROTOR

(51) International classification	:H02K1/27,H02K1/28	(71)Name of Applicant:
(31) Priority Document No	:11 54765	1)MOTEURS LEROY SOMER
(32) Priority Date	:31/05/2011	Address of Applicant :Boulevard Marcellin Leroy CS 10015 F
(33) Name of priority country	:France	16000 Angouleme France
(86) International Application No	:PCT/IB2012/052741	(72)Name of Inventor:
Filing Date	:31/05/2012	1)GILLES Christophe
(87) International Publication No	:WO 2012/164519	2)BEYNAUD Pascal
(61) Patent of Addition to Application	:NA	3)GAUTHIER Pascal
Number	:NA	4)SAINT MICHEL Jacques
Filing Date	.11/1	5)SAVINOIS Olivier
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The invention relates to a rotor (1) of a rotating electric machine having permanent magnets (7) and flux concentration. The rotor comprises a rotor casing (3) having radially oriented housings (5) in which the permanent magnets (7) are disposed. The width of each housing (5) over at least one portion that is in contact with the magnet (7) decreases extending away from the axis of the rotor (1). Moreover each housing (5) opens at its radially inner end into a hole (6) extending from both sides of a midplane (M) of the housing (5).

No. of Pages: 41 No. of Claims: 26

(21) Application No.2624/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :27/08/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: INTERMEDIATE FOR PRODUCING BICYCLE GAMMA-AMINO DERIVATIVE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:25/09/2008 :WO/2009/041453	(71)Name of Applicant:  1)DAIICHI SANKYO COMPANY LIMITED  Address of Applicant: 3-5-1, Nihonbashi Honcho, Chuo-ku, Tokyo 103-8427, JAPAN (72)Name of Inventor:  1)SHIMADA, Kousei  2)KAWAMURA, Asuka 3)ARAKAWA, Naohisa
Number Filing Date	:NA :NA	4)DOMON, Yuki
(62) Divisional to Application Number Filed on	:1272/KOLNP/2010 :08/04/2010	

# (57) Abstract:

An intermediate represented by the general formula (1) is provided, useful for producing a bicyclic gamma-amino acid derivative having excellent activity as an &agr;2&dgr; ligand: wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>2</sup>, R<sup>4</sup>, R<sup>5</sup>, R<sup>8</sup> and R<sup>8</sup> are each independently a hydrogen atom, and R3 is a hydrogen atom, a methyl group, an ethyl group, a propyl group, or a butyl group.

No. of Pages: 103 No. of Claims: 4

(21) Application No.288/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 10/02/2014 (43) Publication Date: 11/04/2014

## (54) Title of the invention: PHARMACEUTICAL COMPOSITION FOR TREATMENT AND/OR PROPHYLAXIS OF CANCER

(51) International :C12N15/09,A61K39/395,A61P35/00 classification (31) Priority Document No :2011-171377 (32) Priority Date :04/08/2011 (33) Name of priority

:Japan country

(86) International :PCT/JP2012/069853 Application No

:03/08/2012 Filing Date

(87) International

:WO 2013/018891 Publication No

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to  $\cdot NA$ **Application Number** :NA Filing Date

(71)Name of Applicant:

1)TORAY INDUSTRIES, INC.

Address of Applicant: 1-1, Nihonbashi-Muromachi 2-chome,

Chuo-ku, Tokyo 103-8666, JAPAN

(72)Name of Inventor: 1)OKANO Fumiyoshi 2)KOBAYASHI Shinichi 3)MINAMIDA Yoshitaka 4)SAITO Takanori

## (57) Abstract:

The purpose of the present invention is to produce an antibody having higher antitumor activity than conventional antibodies that target CAPRIN-1, which is specifically expressed on the surface of a cancer cell, and to provide the use of the antibody as an agent for the treatment and/or prophylaxis of cancer. The present invention provides the use, as an agent for the treatment and/or prophylaxis of cancer, of an antibody that identifies and targets a cancer antigen protein that is specifically expressed on the surface of a cancer cell. More specifically, the present invention provides a pharmaceutical composition for the treatment and/or prophylaxis of cancer, the pharmaceutical composition being characterized by containing, as an active ingredient: an antibody that has immunological reactivity with CAPRIN-1 protein and that comprises a heavy-chain variable region including amino acid sequences represented by SEQ ID NOs: 5, 6, and 7 and a light-chain variable region including amino acid sequences represented by SEQ ID NOs: 9, 10, and 11; or a fragment of said antibody.

No. of Pages: 84 No. of Claims: 8

(21) Application No.3294/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 08/11/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: INFORMATION PROVISION DEVICE FOR USE IN VEHICLE

:WO 2012/144131

(51) International classification: G08G1/16,A61B5/18,B60R21/00 (71) Name of Applicant:

(31) Priority Document No :2011-094343 (32) Priority Date :20/04/2011

(33) Name of priority country :Japan

(86) International Application :PCT/JP2012/002091

:26/03/2012

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)NISSAN MOTOR CO., LTD.

Address of Applicant :2, Takara-cho, Kanagawa-ku

Yokohama-shi, Kanagawa 221-0023, JAPAN

(72)Name of Inventor: 1)Takayuki KONDOH

## (57) Abstract:

The present invention makes it possible to inform a driver of unstable driving states even if learning of normal driving characteristics is not yet complete. On the basis of acquired driving-state data, a first unstable-driving determination unit in an information provision unit (100A) estimates a degree of driving instability from difference amounts between a plurality of driving state distributions over different periods of time. A second unstable-driving determination unit in the information provision unit (100A) estimates a degree of driving instability using a process that is different from the estimation process used by the first unstable-driving determination unit. Using a learning level (SD) indicating the degree to which a driving-state distribution computed by a first driving-state-distribution computation means matches the driver's driving characteristics, a learning-completion determination unit in the information provision unit (100A) determines learning to be complete when a preset amount of learning time has passed from the start of the collection of the abovementioned driving-state data. When learning is complete, an instability-degree selection unit in the information provision unit (100A) selects the degree of instability estimated by the first unstable-driving determination unit, and when learning is not yet complete, said instability-degree selection unit selects the degree of instability estimated by the second unstable-driving determination unit.

No. of Pages: 57 No. of Claims: 13

(21) Application No.3429/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 21/11/2013

(43) Publication Date: 11/04/2014

#### (54) Title of the invention: HINGE

:E05F3/20,E05F3/10,E05F3/12 (71)Name of Applicant : (51) International classification (31) Priority Document No :PCT/IB2011/051967

(32) Priority Date :04/05/2011 (33) Name of priority country :Argentina

(86) International Application No :PCT/IB2012/051006 Filing Date :02/03/2012 (87) International Publication No :WO 2012/150507

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

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

1)OL.MI S.R.L.

Address of Applicant: Via dellindustria 15 I 37014

Castelnuovo del Garda (VR) Italy

(72)Name of Inventor: 1)MIGLIORANZO Ivano

#### (57) Abstract:

A hinge comprising: a hinge body (10) comprising an operating chamber (11) defining a first longitudinal axis (X); a pivot (20) rotatably coupled to the hinge body (10) to rotate the closing element around a second longitudinal axis (Y) between an open and a closed position; a plunger member (30) comprising a substantially cylindrical body (31) housed in the operating chamber (11) for the separation thereof into a first and a second variable volume receptacles (16 17) fluidically connected each other; a working fluid within the operating chamber (11) to hydraulically damp the action of the plunger member (30); valve means (36 37 38) to selectively control the flow of the working fluid between the first (16) and the second receptacle (17); a shaft (40) for operatively coupling the plunger member (30) and the pivot (20). The cylindrical body (31) and the shaft (40) are mutually fastened by a fastening element (47). The shaft (40) includes a first enlarged portion (49). The cylindrical body (31) put into fluidic communication the first (16) and second receptacles (17).

No. of Pages: 23 No. of Claims: 34

(21) Application No.316/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :13/02/2014

(43) Publication Date: 11/04/2014

# (54) Title of the invention: POLYPROPYLENE BLEND WITH IMPROVED BALANCE BETWEEN SIT AND MELTING POINT

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:11187284.2 :31/10/2011 :EPO :PCT/EP2012/071528 :31/10/2012 :WO 2013/064522 :NA :NA	(71)Name of Applicant:  1)BOREALIS AG Address of Applicant: IZD Tower, Wagramerstrasse 17-19, A-1220 Vienna, AUSTRIA (72)Name of Inventor: 1)REICHELT, Kristin 2)RESCONI, Luigi
	:NA :NA :NA	

# (57) Abstract:

Polymer composite comprising propylene copolymer composition having a comonomer content in the range of 2.5 to 10 wt.-%, the comonomers are C5 to C12 a-olefins, and a low-crystalline polymer having a melting temperature of below 120  $^{\circ}$ C, wherein further said polymer composite has (i) a melting temperature of at least 140  $^{\circ}$ C, and (ii) a heat sealing initiation temperature (SIT) of not more than 110  $^{\circ}$ C.

No. of Pages: 48 No. of Claims: 19

(21) Application No.3162/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :28/10/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: POLYMERIC MATERIALS

(51) International :B32B27/18,B32B27/36,B29C47/00

classification

(31) Priority Document No :61/498074 (32) Priority Date :17/06/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/GB2012/051393

No :18/06/2012

Filing Date

(87) International Publication: WO 2012/172372

(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)COLORMATRIX HOLDINGS INC.

Address of Applicant: Corporation Service Company 2711 Centerville Road Suite 400 Wilmington Delaware 19808 U.S.A.

2)LEEMING James (72)Name of Inventor: 1)WINROW Phillip

2)BROWN Patrick 3) JONES Brian Stewart

4)FROST Mark

#### (57) Abstract:

A method of making a sheet structure comprising a first polycarbonate layer which comprises a UV absorbing compound and a second polycarbonate layer comprises: (i) selecting a liquid formulation comprising a vehicle for example a trimellitate or low molecular weight acrylic and an UV absorbing additive; and (ii) mixing the liquid formulation with polycarbonate when said first polymeric material is in a molten state for example in an extruder.

No. of Pages: 26 No. of Claims: 35

(21) Application No.330/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 14/02/2014 (43) Publication Date: 11/04/2014

## (54) Title of the invention: SUSPENSION DEVICE

(51) International :B60G17/005,B62K25/08,F16D63/00

:Japan

:21/06/2012

:PCT/JP2012/065830

classification

(31) Priority Document No :2011-161520 (32) Priority Date :25/07/2011

(33) Name of priority

country

(86) International

Application No

Filing Date

(87) International

:WO 2013/015050 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)KAYABA INDUSTRY CO., LTD.

Address of Applicant: World Trade Center Bldg., 4-1, Hamamatsu-cho 2-chome, Minato-ku, Tokyo 1056111, JAPAN

2)YAMAHA HATSUDOKI KABUSHIKI KAISHA.

(72)Name of Inventor:

1)Tsutomu YOSHIMOTO

2) Kazuhisa TAKANO

#### (57) Abstract:

A suspension device (F) comprises: a rod-shaped one member (1); an other member (2) wherein the one member (1) is slidably inserted; and a stroke lock means that hinders the sliding of the one member (1). The stroke lock means comprises: a cylindrical stroke lock chamber (3) formed between the outer circumference of the one member (1) and the inner circumference of the other member (2); a pair of annular elastic seals (4) arranged on both sides of the stroke lock chamber (3), which come in sliding contact with the outer circumference of the one member (1) and seal openings on both sides of the stroke lock chamber (3); and a pump (P) that changes the internal pressure of the stroke lock chamber (3).

No. of Pages: 22 No. of Claims: 3

(21) Application No.3436/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date: 11/04/2014

## (54) Title of the invention: STRAP LIFTER FOR USE BETWEEN TWO PERSONS

(51) International classification	:A45F3/14,A45F3/12	(71)Name of Applicant:
(31) Priority Document No	:61/483650	1)NIELSEN Corey David
(32) Priority Date	:07/05/2011	Address of Applicant :c/o Den Inc. 1518 Cambridge Drive
(33) Name of priority country	:U.S.A.	Longmont CO 80503 U.S.A.
(86) International Application No	:PCT/US2012/036855	(72)Name of Inventor:
Filing Date	:07/05/2012	1)NIELSEN Corey David
(87) International Publication No	:WO 2012/154702	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A strap lifter for use with a harness is shown and described. The harness may have two shoulder straps that support a central front buckle for use at about the lower central belly of a user. A generally horizontal buckle strap has a fixed rigid lower loop beneath a movable flexible upper loop secured to the front of the buckle strap. The lower and upper loops are generally parallel and close to each other. Typically the distance between the two loops is slightly more than the thickness of a lifter strap which is threaded between the two loops. Preferably a set of two harnesses is used by two persons standing face to face with a single lifter strap between them threaded through both of the buckles.

No. of Pages: 21 No. of Claims: 12

(21) Application No.3437/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date: 11/04/2014

# (54) Title of the invention: SELF CLEANING APPARATUS AND METHOD FOR THICK SLURRY PRESSURE CONTROL

(51) International classification	:C02F11/00,B08B9/027,C02F1/00	(71)Name of Applicant:
(31) Priority Document No	:61/482449	1)RENMATIX INC.
(32) Priority Date	:04/05/2011	Address of Applicant :660 Allendale Road King of Prussia PA
(33) Name of priority country	:U.S.A.	19406 U.S.A.
(86) International Application No Filing Date	:PCT/US2012/036600 :04/05/2012	(72)Name of Inventor: 1)SIMARD Michel A. 2)SOMMER Scott W.
(87) International Publication No	:WO 2012/151529	2/3 3.1.2.2.2.3.3.3.4.4.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

<sup>(57)</sup> Abstract:

Self cleaning apparatus and methods are disclosed for handling viscous fluids such as thick solid liquid slurries of lignocellulosic biomass and its components under high pressure using an array of retractable valves.

No. of Pages: 25 No. of Claims: 42

(21) Application No.3438/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :22/11/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: ENHANCED SOLUBLE C5 SACCHARIDE YIELDS

(51) International classification :C07H3/06,C07H3/02,C07H1/08 (71) Name of Applicant :

(31) Priority Document No :61/482437

(32) Priority Date :04/05/2011

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

(86) International Application No:PCT/US2012/036597

Filing Date :04/05/2012

(87) International Publication No: WO 2012/151526

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

(62) Divisional to Application :NA

Number :NA Filing Date

1) RENMATIX INC.

Address of Applicant :660 Allendale Road King Of Prussia

PA 19406 U.S.A.

(72)Name of Inventor:

1)GIBBS Phillip R.

## (57) Abstract:

Methods are disclosed for increasing the level of soluble C5 saccharides produced from lignocellulosic biomass comprising acidifying fractionated lignocellulosic biomass to prevent the recondensation of soluble C5 saccharides including C5 oligosaccharides and xylose and arabinose monomers to insoluble higher molecular weight C5 oligosaccharides.

No. of Pages: 30 No. of Claims: 64

(21) Application No.3198/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/10/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD AND ARRANGEMENT FOR WHITE SPACE DEVICE TRANSMISSION

(51) International classification	:H04W16/14	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:NA	Address of Applicant :S 164 83 Stockholm Sweden
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:PCT/SE2011/050432	1)SELÉN Yngve
Filing Date	:08/04/2011	2)KRONANDER Jonas
(87) International Publication No	:WO 2012/138272	3)IRNICH Tim
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The disclosure relates to a white space device (WSD) of a secondary wireless network and to a related method for transmitting a first signai on a channel available for secondary usage allocated to a primary wireless system. The method in the WSD comprises determining (410) a further channel used by the primary wireless system that would be interfered by a transmission of the first signal on the channel available for secondary usage retrieving (420) signai information associated with the determined further channel from the primary wireless system transmitting (430) the first signal on the channel available for secondary usage and transmitting (440) a second signal on the determined further channel based on the retrieved signal information simultaneously with the first signal on the channel available for secondary usage such that an interference generated in the primary wireless system by the first signal transmission is compensated for by the second signal transmission.

No. of Pages: 33 No. of Claims: 14

(21) Application No.3335/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application:11/11/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD FOR CLASSIFYING/COUNTING LEUKOCYTES REAGENT KIT FOR CLASSIFYING LEUKOCYTES AND REAGENT FOR CLASSIFYING LEUKOCYTES

 $:\!G01N33/49,\!G01N15/14,\!G01N21/49 \bigg| (71) \textbf{Name of Applicant:}$ (51) International

classification

(31) Priority Document No :2011101595 (32) Priority Date :28/04/2011

(33) Name of priority :Japan country

(86) International

:PCT/JP2012/060432 Application No

:18/04/2012 Filing Date

(87) International

:WO 2012/147578 Publication No

(61) Patent of Addition to :NA Application Number  $\cdot NA$ Filing Date (62) Divisional to  $\cdot NA$ 

**Application Number** :NA Filing Date

1)SYSMEX CORPORATION

Address of Applicant: 5 1 Wakinohama Kaigandori 1 chome

Chuo ku Kobe shi Hyogo 6510073 Japan

(72) Name of Inventor: 1)OTSUKA Saori 2)HATCHO Kazuki 3)MIZUKAMI Toshihiro

4) OGUNI Shinichiro

(57) Abstract:

Provided is a method for classifying/counting leukocytes which can classify/count normal leukocytes and enables the distinction between blasts and atypical lymphocytes. The method for classifying/counting leukocytes comprises: a step of mixing a biological sample a first reagent and a second reagent together to prepare a measurement sample wherein the first reagent can stain a nucleic acid and the second reagent can hemolyze erythrocytes and can damage cell membranes of leukocytes to the extent that a fluorescent dye can go through the cell membranes and comprises a cationic surfactant a nonionic surfactant and an aromatic organic acid at a concentration of 20 to 50 mM inclusive; a step of irradiating the measurement sample with light to obtain information on scattered light and information on fluorescence; and a step of classifying the leukocytes in the biological sample on the basis of the information on scattered light and the information on fluorescence obtained and detecting blasts and atypical lymphocytes separately. In the method the pH value of the second reagent is 5.5 to 6.4 inclusive when the concentration of the aromatic organic acid in the second reagent is 20 mM or more and less than 30 mM and the pH value is 5.5 to 7.0 inclusive when the concentration is 30 to 50 mM inclusive.

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

(21) Application No.3336/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 11/11/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: HEMMING HEAD DEVICE AND METHOD

(51) International classification	:B21D39/02	(71)Name of Applicant:
(31) Priority Document No	:61/489404	1)COMAU S.P.A.
(32) Priority Date	:24/05/2011	Address of Applicant :via Rivalta 30 I 10095 Grugliasco (TO)
(33) Name of priority country	:U.S.A.	Italy
(86) International Application No	:PCT/IB2012/052562	(72)Name of Inventor:
Filing Date	:22/05/2012	1)CYREK Joseph P.
(87) International Publication No	:WO 2012/160512	2)CHAPMAN Robert F.
(61) Patent of Addition to Application	:NA	3)MAYBEE William T.
Number	:NA :NA	4)ST. DENIS Kenneth D.
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A hemming head device and method for hem forming one or more edges of deformable material. The hemming head device includes dual biasing spring members which provide a resistive force whether the hemming wheel is in a push hemming operation on an exterior joint edge or in a pull hemming operation on an interior joint edge. The device further includes a quick connect device for selectively connecting hemming wheels and other forming devices to the head and a gauge to measure the relative position or resistive force applied on the forming member by the biasing members. A method for hem forming a workpiece using dual biasing spring members is also disclosed.

No. of Pages: 28 No. of Claims: 20

(21) Application No.3462/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 27/11/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: PACK AND METHOD FOR PRODUCING SUCH A PACK

(51) International :B65D1/02,B65D21/02,B65B17/02

classification

(31) Priority Document No :10 2011 106 759.4 :05/07/2011

(32) Priority Date (33) Name of priority country :Germany

(86) International Application

No

:PCT/EP2012/002561 :15/06/2012

:WO 2013/004341

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

(71)Name of Applicant:

1)KHS GMBH

Address of Applicant : Juchostrasse 20 44143 Dortmund

Germany

(72) Name of Inventor:

1)STUHLMANN Christopher

2)ZAHN Volker

#### (57) Abstract:

The invention relates to a pack (2) without a wrapping film which pack is formed in each case from a group of articles comprising at least two preferably at least four articles (4) disposed in a non nesting position wherein neighbouring articles (4) touch one another in at least one spherically designed contact region (12) of the articles in one or more contact or touching surfaces (13). The contact and touching surfaces (13) of each article interrupt the spherical contact region (12) in the radial direction viewed in the circumferential direction preferably in a positive manner wherein at least a part of the contact and touching surfaces (13) and/or a sub region thereof is provided with an application of adhesive (8).

No. of Pages: 25 No. of Claims: 20

(21) Application No.3317/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: REAGENT CONTAINER

(51) International :B65D25/28,B65D5/465,B65D5/472

:NA

:NA

:NA

:NA

classification

(31) Priority Document No :2011096374 (32) Priority Date :22/04/2011

(33) Name of priority country: Japan

(86) International :PCT/JP2012/059387

Application No :05/04/2012

Filing Date

(87) International Publication :WO 2012/144333

(61) Patent of Addition to

Application Number

Filing Date (62) Divisional to

Application Number

Filing Date

(71)Name of Applicant:

1)Sysmex Corporation

Address of Applicant :5 1 Wakinohama Kaigandori 1 chome

Chuo ku Kobe shi Hyogo 6510073 Japan

(72)Name of Inventor:

1) UCHIHASHI Kinya 2)NARIKAWA Tatsuya

3)MORI Yusuke

4)MIZUTANI Kenichi

5)HASEGAWA Fuminari

#### (57) Abstract:

This reagent container is provided with: a container body for containing a liquid reagent used for an analytic device; and a band like grip section attached to the container body and allowing the user to grasp the grip section while suspending the container body. The grip section includes: a band like member having one end and the other end which are attached to the container body; and a protective member provided to the band like member so as to protrude from an edge of the band like member.

No. of Pages: 35 No. of Claims: 20

(21) Application No.3453/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :25/11/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: FLAME RETARDANT AGENT AND FLAME RETARDANT RESIN COMPOSITION

(51) International :C09K21/12,C08K3/34,C08K5/3462

classification

(31) Priority Document No :2011117226 (32) Priority Date :25/05/2011 (33) Name of priority country: Japan

(86) International :PCT/JP2012/062616

Application No :17/05/2012 Filing Date

(87) International Publication :WO 2012/161070

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

Filing Date (62) Divisional to :NA **Application Number** :NA (71)Name of Applicant:

1)Sakai Chemical Industry Co. Ltd.

Address of Applicant :5 2 Ebisujimacho Sakai ku Sakai shi

Osaka 5908502 Japan (72)Name of Inventor: 1)OKITA Hiromasa 2)MURAKAMI Yasuyuki 3)TSUJIMOTO Hideo 4)OSHIMA Takanobu

(57) Abstract:

Filing Date

Provided are: a composite flame retardant agent which can be produced without using any poisonous metal such as antimony trioxide or any halogen such as bromine and chlorine and can exhibit superior flame retardancy compared with magnesium hydroxide when added in a smaller amount; and a flame retardant resin composition having excellent flame retardancy and excellent physical properties. The present disclosure relates to: a flame retardant agent comprising (A) 100 parts by mass of a reaction product of piperazine with one phosphorous compound selected from phosphoric acid pyrophosphoric acid and polyphosphoric acid (B) 10 1000 parts by mass of a reaction product of melamine with a polyacid selected from cyanuric acid phosphoric acid pyrophosphoric acid and polyphosphoric acid and (C) 0.1 100 parts by mass of a reaction product of calcium or magnesium with silicic acid; and a flame retardant resin composition comprising a synthetic resin and the flame retardant agent.

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

(21) Application No.3454/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :25/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: GENERATOR MOTOR FOR VEHICLE

(51) International classification	:H02K16/00	(71)Name of Applicant:
(31) Priority Document No	:NA	1)CHIA Kuo Lin
(32) Priority Date	:NA	Address of Applicant :No.11 LN.14 Jiangong 1st Rd. Hsinchu
(33) Name of priority country	:NA	City Taiwan China
(86) International Application No	:PCT/CN2011/073702	(72)Name of Inventor:
Filing Date	:05/05/2011	1)WANG Yu Chi
(87) International Publication No	:WO 2012/149690	
(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 motor (100) comprises a first rotating device (102) a second rotating device (120) and a brake assembly (140). The second rotating device is mounted on a common axis with the first rotating device and is matched with the first rotating device. The brake assembly is connected with the second rotating device to limit the rotation of the second rotating device. A stator in a conventional motor or generator is designed as a rotating stator which surrounds a rotor and is mounted on a common axis with the rotor so that the rotating stator and the rotor can rotate in opposite directions to increase the interaction generated by the magnetic field and thereby promotes the efficiency of the motor.

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

(21) Application No.3455/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :25/11/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : DELIVERY ASSEMBLY FOR MACHINES FOR PREPARING LIQUID PRODUCTS VIA CARTRIDGES

(51) International classification	:A47J31/36	(71)Name of Applicant :
(31) Priority Document No	:TO2011A000509	1)LUIGI LAVAZZA S.P.A.
(32) Priority Date	:09/06/2011	Address of Applicant :Corso Novara 59 I 10154 Torino Italy
(33) Name of priority country	:Italy	(72)Name of Inventor:
(86) International Application No	:PCT/IB2012/052913	1)BUGNANO Luca
Filing Date	:08/06/2012	2)CABILLI Alberto
(87) International Publication No	:WO 2012/168918	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		I .

## (57) Abstract:

A delivery assembly (30) for a machine for the preparation of liquid products using cartridges includes: an injector device (44) capable to introduce into the cartridge (10) water and/or steam under pressure; an infusion chamber (31) facing the injector device (34) and capable to receive the cartridge (10); an actuation system (55) designed to cause displacements of the infusion chamber (31) between a spaced position and a close position with respect to the injector device (44); a loading arrangement that includes an inlet passage (50) and retention means (57) switchable between a retention condition and a release condition of the cartridge (10) by means of displacements of the infusion chamber (31) with respect to the injector device (34). The delivery assembly (30) further comprises ejector means (34 56) functionally distinct from the retention means (59) and capable of pushing the cartridge (10) towards the outside of the infusion chamber (31) in function of the displacement of the infusion chamber (31) towards its spaced position from the injector device (44).

No. of Pages: 37 No. of Claims: 16

(21) Application No.3066/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : SYSTEM DEVICE FOR CONVERGENCE TRANSMISSION AND METHOD FOR DATA DISTRIBUTION CONVERGENCE

(51) International classification	:H04W88/10	(71)Name of Applicant :
(31) Priority Document No	:NA	1)HUAWEI TECHNOLOGIES CO. LTD.
(32) Priority Date	:NA	Address of Applicant :Huawei Administration Building
(33) Name of priority country	:NA	Bantian Longgang Shenzhen Guangdong 518129 China
(86) International Application No	:PCT/CN2011/075068	(72)Name of Inventor:
Filing Date	:31/05/2011	1)LIU Sheng
(87) International Publication No	:WO 2011/157152	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		1

#### (57) Abstract:

A convergence transmission system includes data distribution convergence points wireless cellular access points and Wireless Local Area Network (WLAN) access points; the data distribution convergence point is used for negotiating with a User Equipment (UE) to determine a data distribution policy; according to the determined data distribution policy negotiated with the UE the WLAN radio bearer is used for transmitting partial user data wherein the WLAN radio bearer is acquired by configuring partial radio bearer of a wireless cellular system to be a WLAN radio link; the rest radio bearers of the wireless cellular system are used for transmitting the rest user data wherein the radio bearer is the wireless part of the bearer channel of the wireless cellular system and the bearer channel of the wireless cellular system is built by control plane signaling of the wireless cellular system; the WLAN access point is used for transmitting the partial user data with the UE and the data distribution convergence point; the wireless cellular access point is used for transmitting the rest user data with the UE and the data distribution convergence point.

No. of Pages: 123 No. of Claims: 78

(21) Application No.334/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 14/02/2014 (43) Publication Date: 11/04/2014

## (54) Title of the invention: ANTI-FOLATE RECEPTOR ALPHA ANTIBODIES AND USES THEREOF

(51) International :C07K16/28,G01N33/574,G01N33/82 classification

(31) Priority Document No :61/508,444 (32) Priority Date :15/07/2011 (33) Name of priority :U.S.A.

country

(86) International :PCT/US2012/046672 Application No :13/07/2012

Filing Date

(87) International

:WO 2013/012722 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)EISAI R&D MANAGEMENT CO., LTD.

Address of Applicant :6-10 Koishikawa, 4 Chome, Bunkyo-

ku, Tokyo, 112-8088, JAPAN (72)Name of Inventor:

1)Daniel John O'SHANNESSY

### (57) Abstract:

Described herein are antibodies, and antigen-binding fragments thereof, that are specific for folate receptor alpha, related polynucleotides, expression vectors, and cells that express the described antibodies. Also provided are methods of using the described antibodies, and antigen-binding fragments thereof, and related kits. Provided herein are also methods for diagnosing cancers, such as breast cancer, thyroid cancer, colorectal cancer, endometrial cancer, fallopian tube cancer, ovarian cancer, or lung cancer, using the described antibodies, and antigen-binding fragments thereof. The methods involve determining the amount of folate receptor alpha in a sample derived from a subject and comparing this level with the level of folate receptor alpha in a control sample or reference sample.

No. of Pages: 156 No. of Claims: 146

(21) Application No.3469/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 27/11/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: DEVICE FOR TRANSPORTING PREFORMS FOR BLOW MOLDING CONTAINERS

(51) International :B29C49/42,B29C49/06,B29C49/12

classification (31) Priority Document No

:10 2011 113 310.4 (32) Priority Date :09/09/2011 (33) Name of priority country: Germany

(86) International Application :PCT/EP2012/003789 No

:10/09/2012 Filing Date

(87) International Publication: WO 2013/034309

(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)KHS CORPOPLAST GMBH

Address of Applicant : Meiendorfer Strasse 203 22145

Hamburg Germany (72)Name of Inventor: 1)LINKE Michael 2)BAUMGARTE Rolf

#### (57) Abstract:

The invention relates to a device that is designed for blow molding containers (2). Preforms (1) made of a thermoplastic material are heated in the area of a heating section and subsequently transferred to a blowing unit. The blowing unit is provided with at least one blowing station (3) for forming the preforms into the containers. Said containers are held along at least a portion of the transport path thereof by a support element (41). The support element comprises a head comprising at least two clamping elements (50) that can be positioned and that can be introduced into the outlet section of the preform. The clamping elements have a rounded design at least in regions. The clamping elements are arranged relative to one another at a distance along an outer circumference of the head. At least one of the clamping elements is positioned in a recess (49) arranged on the side of the head in respect of a longitudinal axis of the support element. The recess comprises upper and lower sliding surfaces (54 55) extending diagonally to the longitudinal axis in order to act on the clamping element. The head has a lower head part (53) that is provided with the lower sliding surface and an upper head part (52) that is provided with the upper sliding surface. The upper head part and the lower head part are braced relative to each other by at least one spring (56).

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

(21) Application No.3216/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :31/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : RETAINER FOR LATERALLY FASTENING A GUIDE GROOVE FOR ENERGY SUPPLY CHAINS AND RETAINING SYSTEM HAVING SAID RETAINER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:H02G3/04,H02G3/00 :20 2011 100 313.6 :05/05/2011 :Germany :PCT/EP2012/058075 :03/05/2012 :WO 2012/150282	(71)Name of Applicant:  1)IGUS GMBH  Address of Applicant:Spicher Str. 1a 51127 Köln Germany (72)Name of Inventor:  1)HERMEY Andreas
<ul> <li>(61) Patent of Addition to Application</li> <li>Number <ul> <li>Filing Date</li> </ul> </li> <li>(62) Divisional to Application Number</li> <li>Filing Date</li> </ul>	:NA :NA :NA :NA	

#### (57) Abstract:

The invention relates to a retainer for laterally fastening a guide groove for energy supply chains to a structure. The retainer has a support for a bottom area of the guide groove and a position fixer for the guide groove and extends with a vertical section to the side of an intended accommodating space for the guide groove in which first fastening elements for fastening the retainer at the height of the vertical section laterally to the structure are provided. The retainer has additional fastening elements which are arranged at a distance from the support in the vertical direction for support and which are designed to engage on the guide groove in a form and/or force closed manner. The invention further relates to a retaining system having the retainer.

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

(21) Application No.3219/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :31/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: PREPARATION OF SITAGLIPTIN INTERMEDIATES

(51) International classification	:C07C67/343,C07C227/08,C07F5/02	(71)Name of Applicant: 1)LEK PHARMACEUTICALS D.D.
(31) Priority Document No	:11161611.6	Address of Applicant: Verovskova 57 1526 Ljubljana Slovenie
(32) Priority Date	:08/04/2011	Slovenia
(33) Name of priority country	:EPO	(72)Name of Inventor : 1)CASAR Zdenko
(86) International Application No Filing Date	:PCT/EP2012/001562 :06/04/2012	2)STAVBER Gaj 3)SOVA Matej
(87) International Publication No	:WO 2012/136383	
(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 the preparation of chiral compounds in particular to the preparation of chiral compounds which may be used as intermediates for the preparation of anti diabetic agents preferably sitagliptin.

No. of Pages: 72 No. of Claims: 24

(21) Application No.348/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 17/02/2014 (43) Publication Date: 11/04/2014

## (54) Title of the invention: HIGH STRENGTH STEEL SHEET HAVING EXCELLENT FORMABILITY AND METHOD FOR MANUFACTURING THE SAME

(51) International classification :C22C38/00,B21B1/22,B21B3/00 (71)Name of Applicant:

:WO 2013/038637

(31) Priority Document No :2011-202752 (32) Priority Date :16/09/2011 (33) Name of priority country :Japan

(86) International Application :PCT/JP2012/005706

No Filing Date

:10/09/2012

(87) International Publication

(61) Patent of Addition to  $\cdot NA$ 

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

 $\cdot NA$ Number :NA Filing Date

1)JFE STEEL CORPORATION

Address of Applicant :2-3, Uchisaiwai-cho 2-chome, Chiyoda-

ku, Tokyo 100-0011 JAPAN (72)Name of Inventor:

1)Yoshiyasu KAWASAKI 2)Hiroshi HASEGAWA 3)Tatsuya NAKAGAITO 4)Shinjiro KANEKO

5)Yasunobu NAGATAKI

#### (57) Abstract:

Provided is a method for producing a high- strength steel sheet having excellent workability in that TS is 980 MPa or greater and TS × EL is 24,000 MPa.% or greater, and a method for producing the same. The method for producing a high-strength steel sheet having excellent workability is characterized in that a steel slab, the component composition of which comprises, by mass%, between 0.03 and 0.35% of C, 0.5 to 3.0% of Si, 3.5 to 10.0% of Mn, 0.1% or less of P, 0.01% or less of S, 0.008% or less of N and Fe and inevitable impurities as the balance, is hot rolled, then taken up at a temperature between the Ar1 transformation point and the Ar1 transformation point + (Ar3 transformation point - Ar1 transformation point)/2, cooled to 200°C, then heated to a temperature between the Ac1 transformation point - 200°C to the Ac1 transformation point and maintained within that temperature range for 30 minutes or longer, then acid washed, cold rolled at a draft of 20% or less, and then heated to a temperature between the Ac1 transformation point and the Ac1 transformation point + (Ac3 transformation point - Ac1 transformation point)/2 and maintained within that temperature range for 30 s or longer.

No. of Pages: 62 No. of Claims: 21

(21) Application No.3481/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :27/11/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : RACH RECEPTION BY REPEATED USE OF DATA FFT AND CONCATENATION OF THE RESULTING TIME SIGNALS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04L27/26 :13/150565 :01/06/2011 :U.S.A. :PCT/IB2012/052340 :10/05/2012 :WO 2012/164422 :NA :NA :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: 164 83 Stockholm Sweden (72)Name of Inventor: 1)MCGOWAN Neil 2)DA SILVEIRA Marthinus Willem
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#### (57) Abstract:

Methods and devices for extracting a RACH preamble using as input a number of Fast Fourier Transformed symbols in order to extract a random access channel (RACH) preamble from a signal received in a base station from a user device in a radio communication system are provided. An initial cyclic prefix (symbol CP) is removed prior to performing FFT on symbols. After (1) selecting from the FFT of a symbol frequencies corresponding to the RACH band all other non RACH frequency bins having been set to zero (2) shifting the signal to baseband and (3) performing a FFT on the baseband signal a phase adjustment is performed to compensate for group delays due to symbol CP gaps occurring when generating the baseband signal the phase adjustment being determined individually for each symbol.

No. of Pages: 45 No. of Claims: 20

(21) Application No.3238/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/11/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: SYSTEM CABLING FOR A MULTIPLE RELAY 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</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:10 2011 101 686.8 :16/05/2011 :Germany :PCT/EP2012/002075 :15/05/2012 :WO 2012/156075 :NA :NA	(71)Name of Applicant:  1)PHOENIX CONTACT GMBH & CO. KG Address of Applicant:Flachsmarktstraße 8 32825 Blomberg Germany (72)Name of Inventor: 1)BECKER Markus 2)HEISE Heinrich 3)LEIFER Christoph 4)WÖHRMEIER Andreas
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The invention relates to a multiple relay arrangement consisting of a plurality of relay sockets (1) which are arranged next to each other and a plurality of relays (2). The relay sockets (1) contain additional plug connections (13) by means of which the relays (2) are controlled by the system cabling. Said system cabling contains a distribution section (53) consisting of cable sections (52) and plug connectors (33) and allows the plurality of relays (2) to be controlled.

No. of Pages: 12 No. of Claims: 13

(21) Application No.337/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 14/02/2014

(43) Publication Date: 11/04/2014

# (54) Title of the invention: AMINE SUBSTITUTED METHANESULFONAMIDE DERIVATIVES AS VANILLOID RECEPTOR LIGANDS

(51) International :C07D213/40,C07D401/04,A61K31/44 classification

:WO 2013/045451

(31) Priority Document No:11007805.2

(32) Priority Date :26/09/2011

(33) Name of priority :EPO country

(86) International

:PCT/EP2012/068882 Application No

:NA

:25/09/2012 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)GRÜNENTHAL GMBH

Address of Applicant : Zieglerstrasse 6, D-52078 Aachen,

**GERMANY** 

(72)Name of Inventor:

5)LEE, Jeewoo

1)FRANK-FOLTYN, Robert 2)BAHRENBERG, Gregor 3) CHRISTOPH, Thomas 4)LESCH, Bernhard

(57) Abstract:

The invention relates to amine substituted methanesulfonamide derivatives of formula (I) as vanilloid receptor ligands, to pharmaceutical compositions containing these compounds and also to these compounds for use in the treatment and/or prophylaxis of pain and further diseases and/or disorders.

No. of Pages: 126 No. of Claims: 15

(21) Application No.349/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 17/02/2014 (43) Publication Date: 11/04/2014

# (54) Title of the invention: STRUCTURING OF ANTISTATIC AND ANTIREFLECTION COATINGS AND OF CORRESPONDING STACKED LAYERS

(51) International :H05K3/06,C09K13/02,C03C15/00

:WO 2013/010612

classification

(31) Priority Document No :11005862.5 (32) Priority Date :18/07/2011 (33) Name of priority country: EPO

(86) International Application :PCT/EP2012/002569

No :19/06/2012 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

(71)Name of Applicant:

1)MERCK PATENT GMBH

Address of Applicant :Frankfurter Strasse 250, 64293

Darmstadt, GERMANY (72)Name of Inventor: 1)Oliver DOLL 2)Ingo KOEHLER

3) Christian MATUSCHEK 4)Werner STOCKUM

### (57) Abstract:

The invention relates to compositions which are particularly well suited to etching and structuring transparent, conductive antireflection coatings and corresponding stacked layers, which are preferably contained in touch-sensitive monitors or display elements. The latter are generally also designated touch-sensitive displays, touch-panels or touch screens. In particular, these are compositions by means of which fine structures can be etched selectively in conductive transparent oxidic layers and in corresponding stacked layers.

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

(21) Application No.3490/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date: 11/04/2014

## (54) Title of the invention: MACHINE TOOL

(51) International classification	:B23B3/30,B23Q39/02	(71)Name of Applicant :
(31) Priority Document No	:10 2011 076 834.3	1)GILDEMEISTER ITALIANA S.P.A.
(32) Priority Date	:31/05/2011	Address of Applicant :Via G. Donizetti 138 I 24030 Brembate
(33) Name of priority country	:Germany	di Sopra (BG) Italy
(86) International Application No	:PCT/EP2012/059284	(72)Name of Inventor:
Filing Date	:18/05/2012	1)WALZ Jürgen
(87) International Publication No	:WO 2012/163698	2)RIGOLONE Franco
(61) Patent of Addition to Application	:NA	3)DEURINGER Gottfried
Number	:NA	4)ROTA Renato
Filing Date	.11/14	5)GERST Manuel
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention relates to a machine tool in particular a lathe comprising: a machine frame (1); a first working spindle (21) located on one side of a first support section (1a) of the machine frame (1) for receiving a first workpiece (W1); a second working spindle (22) facing the first working spindle (21) and located on one side of a second support section (1b) of the machine frame (1) for receiving a second workpiece (W2) the spindle axis of the second working spindle (22) being aligned parallel to in particular coaxially to the spindle axis of the first working spindle (21); and two movable tool support slides (51) and (52) on each of which a tool supporting tool support (61) and (62) is located. A third tool support (63) is provided between the working spindles (21) and (22) which is movable transversally to the spindle axes and is located on a tool support side (WTS3) of a support section (1c) that is centrally located between the first and the second support sections (1a b).

No. of Pages: 36 No. of Claims: 15

(21) Application No.3491/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date: 11/04/2014

## (54) Title of the invention: USE OF NANOSCALE MATERIALS IN A COMPOSITION FOR PREVENTING SYMPTOMS OF FATIGUE IN THE SURFACE CLOSED STRUCTURE OF DRIVE ELEMENTS

(51) International classification :C10M125/10,C10M125/26 (71)Name of Applicant :

(31) Priority Document No :10 2011 103 215.4 (32) Priority Date :01/06/2011

(33) Name of priority country :Germany

(86) International Application No :PCT/EP2012/001997

Filing Date :09/05/2012 (87) International Publication No :WO 2012/163468

(61) Patent of Addition to Application :NA

Number :NA Filing Date

(62) Divisional to Application :NA

Number :NA Filing Date

1)KLÜBER LUBRICATION MÜNCHEN SE & CO. KG

Address of Applicant : Geisenhausenerstr. 7 81379 München

Germany

(72)Name of Inventor:

1)GRUNDEI Stefan

2)KRUTZSCH Carla

3)SCHMIDT AMELUNXEN Martin

#### (57) Abstract:

The present invention relates to the use of nanoscale materials in a composition which is applied for preventing fatigue damage in drive elements on the surfaces thereof. In particular by this application the surfaces of drive elements are protected against the formation of gray staining surface fatigue and micro pitting. The occurrence of fatigue damage on these surfaces is prevented or decreased thereby.

No. of Pages: 29 No. of Claims: 12

(21) Application No.3222/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/11/2013 (43) Publication Date : 11/04/2014

## (54) Title of the invention: CENTRIFUGAL CLUTCH 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>	:2011097848 :26/04/2011 :Japan :PCT/JP2012/060965 :24/04/2012 :WO 2012/147738 :NA	(71)Name of Applicant:  1)Kabushiki Kaisha F.C.C. Address of Applicant:7000 36 Nakagawa Hosoe cho Kita ku Hamamatsu shi Shizuoka 4311394 Japan (72)Name of Inventor: 1)KATAOKA Makoto 2)SUZUKI Takayuki 3)MURAI Masataka 4)HAYASHI Hiroyuki 5)WATARAI Masato
(62) Divisional to Application Number Filing Date	:NA :NA	5)WATAKAI Masato

# (57) Abstract:

[Problem] To provide a centrifugal clutch apparatus in which a juddering phenomenon and the like can be suppressed by imparting friction to a side surface of a clutch shoe and in which the axial dimensions of the apparatus can be reduced to produce a more compact apparatus and the number of components can be reduced. [Solution] A centrifugal clutch apparatus provided with: a drive plate (1); clutch shoes (2); a housing (3) having an inner peripheral wall surface (3a); friction elements (4) for transmitting to the housing (3) a drive force of a driving means and causing the housing to rotate the friction elements being affixed to a surface opposite the inner peripheral wall surface (3a) in the clutch shoes (2) and abutting against the inner peripheral wall surface (3a) when the clutch shoes (2) are swung by centrifugal force; and a stopping means for stopping the clutch shoes (2) relative to the swinging shafts (L) of the drive plate (1); wherein the stopping means comprises a stopping plate (5) having pressure contact parts (5a) curved toward the clutch shoes (2) and forced to abut with elastic force against a side surface of the clutch shoes (2).

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

(21) Application No.3228/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/11/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD AND DEVICE FOR DETECTING THE POSITION OF A CONVEYOR

(51) International classification	:G01D5/347	(71)Name of Applicant:
(31) Priority Document No	:MI2011A000562	1)COMELZ S.P.A.
(32) Priority Date	:06/04/2011	Address of Applicant :Viale Indipendenza 55 I 27029
(33) Name of priority country	:Italy	Vigevano Italy
(86) International Application No	:PCT/EP2011/070703	(72)Name of Inventor:
Filing Date	:22/11/2011	1)CORSICO PICCOLINO Alessandro
(87) International Publication No	:WO 2012/136284	
(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 method for detecting the position of a conveyor comprising the steps of: providing on the conveyor belt (1) an irregular marking (2) constituted by marks and the like that are detectable optically; by means of a vision device (3) detecting portions of the marking at preset time intervals; comparing a detection performed by the vision device (3) with a previously performed detection in order to determine the extent and direction of the movement.

No. of Pages: 11 No. of Claims: 10

(21) Application No.336/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 14/02/2014 (43) Publication Date: 11/04/2014

# (54) Title of the invention: SUBSTITUTED METHANESULFONAMIDE DERIVATIVES AS VANILLOID RECEPTOR LIGANDS

(51) International :C07D213/40,A61K31/44,A61P25/04 classification (31) Priority Document No :11007806.0

(32) Priority Date :26/09/2011 (33) Name of priority

:EPO country

(86) International :PCT/EP2012/068883

Application No :25/09/2012 Filing Date

(87) International

:WO 2013/045452 **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)GRÜNENTHAL GMBH

Address of Applicant : Zieglerstraße 6, 52078 Aachen,

**GERMANY** 

(72)Name of Inventor:

1)FRANK-FOLTYN, Robert 2)BAHRENBERG, Gregor 3) CHRISTOPH, Thomas 4) LESCH, Bernhard 5)LEE, Jeewoo

(57) Abstract:

The invention relates to substituted methanesulfonamide derivatives as vanilloid receptor ligands of formula (I), to pharmaceutical compositions containing these compounds and also to these compounds for use in the treatment and/or prophylaxis of pain and further diseases and/or disorders.

No. of Pages: 93 No. of Claims: 15

(21) Application No.3497/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date: 11/04/2014

# (54) Title of the invention: HOLDING ARRANGEMENT FOR A RIM LINER OF A CRUSHER

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No 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>	:B02C2/00,B02C2/04 :11168972.5 :07/06/2011 :EPO :PCT/EP2012/059967 :29/05/2012 :WO 2012/168111 :NA :NA	(71)Name of Applicant:  1)SANDVIK INTELLECTUAL PROPERTY AB Address of Applicant: S 811 81 Sandviken Sweden (72)Name of Inventor:  1)ERIKSSON Bengt Arne
Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A feed hopper (20) for a gyratory crusher (10) which feed hopper comprises a lower feed hopper portion (21) adapted for detachable mounting to the crusher which lower feed hopper portion comprises a lower end (22) supported by the crusher whereby the crusher is protected from wear by the material to be crushed by means of a removable inner rim lining (50) which removable inner rim lining is supported by the crusher.

No. of Pages: 18 No. of Claims: 9

(21) Application No.3498/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date: 11/04/2014

## (54) Title of the invention: FRAME FOR A GYRATORY CRUSHER

(51) International classification	:B02C2/04	(71)Name of Applicant:
(31) Priority Document No	:11168977.4	1)SANDVIK INTELLECTUAL PROPERTY AB
(32) Priority Date	:07/06/2011	Address of Applicant :S 811 81 Sandviken Sweden
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:PCT/EP2012/059962	1)JOHANSSON Henrik
Filing Date	:29/05/2012	2)NILSSON Martin
(87) International Publication No	:WO 2013/007440	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A gyratory crusher comprising a frame and a crushing head which is arranged rotatably about a substantially vertical shaft the frame comprising an upper frame portion and a lower frame portion (42) which lower frame portion comprises a hub (43) which hub comprises a centralized arranged through hole (404) with a centre axis extending through said hole (404) and the hub which hole is arranged to cooperate with the shaft being turnable arranged in said hole which hub is connected by arms (44) to the lower frame portion (42) and comprises a drive ring pocket (64). The hub (43) further comprises a waist portion (402) with a thickness in a radial direction from the centre axis (80) being larger than the width of the drive ring pocket (64) of the hub.

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

(21) Application No.3494/KOLNP/2013 A

(19) INDIA

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

(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

Filing Date

Filing Date

Filing Date

(43) Publication Date: 11/04/2014

#### (54) Title of the invention: SYSTEM FOR RECOMMENDING HELICOPTER ENGINE MAINTENANCE

:G06Q10/00,G06Q10/06

:PCT/EP2012/061754

:WO 2012/175521

:11305774.9

:20/06/2011

:19/06/2012

:EPO

 $\cdot NA$ 

:NA

:NA

:NA

(71)Name of Applicant :

1)TURBOMECA

Address of Applicant :F 64510 Bordes France

(72)Name of Inventor:

1)KAMENKA Alexandre

2)MAILLE Serge

3)PRAT Fran

§ois

4)BOUCON Jean Louis

5)DEBBOUZ Nadir

6)VIGNES Jean Stéphane

7) DUMEZ VINIT Marie Caroline

8)FAUPIN Fran§ois

9)BLAY Antoine

10)VIEILLARD BARON Didier

11)BOUTIN Ludovic 12)BOUREAU Philippe

13)GAULTIER Christophe

14)MESTDAGH Hél"ne

15)NUFFER Nicolas

16)LAMAZERE Fabien

### (57) Abstract:

Number

The invention relates to a system for recommending maintenance of helicopter engines belonging to the same engine class and formed by elements that vary over time depending on the technical condition thereof the standard replacement of parts between engines and the replacement of parts with different parts. The system comprises: a centralized database storing operational data relating to (i) working condition outlining the history of one or more working condition indicators of each of the engines (ii) possible modifications and authorized modifications of the engines (iii) the definition of maintenance plans for the engines according to predetermined values of the working condition indicator(s) (iv) the description of the probable causes of unscheduled events according to the data relating to possible and authorized modifications and the working condition data (v) maintenance applied outlining the nature and history of maintenance operations applied to each of the engines and (vi) instantiated configurations outlining the nature and the history of the configuration modifications applied to each of the engines; means for acquiring the working condition indicator(s) of each engine; means for identifying a maintenance operation to be applied to each of the engines depending on the operational data in the database; means for generating a continuous alarm for each identified maintenance operation to be performed; means for the digitally signed updating of the applied maintenance data and the instantiated configuration data according to each maintenance operation applied to each of the engines; and means for deactivating an activated alarm if at least the digitally signed update of the data resulting from the identified applied maintenance operation associated with the alarm is carried out.

No. of Pages: 24 No. of Claims: 6

(21) Application No.3495/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date: 11/04/2014

## (54) Title of the invention: UNDERWATER CAPILLARY TUBE PLASMA DEVICE HAVING GAS CHANNEL

(51) International classification :C02F1/467,C02F1/46,C02F1/72 (71) Name of Applicant:

:NA

:1020110052089 (31) Priority Document No

(32) Priority Date :31/05/2011 (33) Name of priority country :Republic of Korea

(86) International Application No:PCT/KR2012/004073 Filing Date :23/05/2012

(87) International Publication No: WO 2012/165799

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

(62) Divisional to Application :NA Number

Filing Date

1)KOREA BASIC SCIENCE INSTITUTE

Address of Applicant:169 148 (Eoeun dong) Gwahak ro

Yuseong gu Daejeon 305 806 Republic of Korea

(72)Name of Inventor: 1)HONG Yong Cheol

2)KIM Ye Jin

3)LEE Sang Ju 4)LEE Bong Ju

#### (57) Abstract:

Disclosed is an underwater capillary tube plasma device having a gas channel. According to one embodiment of the present invention an underwater capillary tube plasma device comprises: a power supply unit which supplies power; a discharge electrode which receives power supplied from said power supply unit and induces a capillary tube plasma discharge inside a fluid; and a gas supply unit which injects auxiliary gas into said discharge electrode. According to the embodiments of the present invention since a gas channel is equipped in an underwater capillary tube plasma discharge electrode various chemical reactive species are created according to the injected gas including plasma species which are created from water decomposition caused by a plasma discharge whereby underwater pollutants are effectively removed. In addition if the gas is injected like in the present invention the concentration and the lifetime within a fluid of the reactive species which are created by the plasma discharge are increased such that a purification effect by plasma can be maximized. Further if such auxiliary gas is supplied plasma can be generated even by a lower power supply compared with when the gas is not injected thereby reducing energy consumption for fluid purification.

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

(21) Application No.3496/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date: 11/04/2014

# (54) Title of the invention: GYRATORY CRUSHER WITH PISTON

(51) International classification	:B02C2/04	(71)Name of Applicant:
(31) Priority Document No	:11168975.8	1)SANDVIK INTELLECTUAL PROPERTY AB
(32) Priority Date	:07/06/2011	Address of Applicant :S 811 81 Sandviken Sweden
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:PCT/EP2012/059964	1)ERIKSSON Bengt Arne
Filing Date	:29/05/2012	2)Nilsson Martin
(87) International Publication No	:WO 2012/168109	3)ÅBERG Niklas
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A piston (31) for a gyratory crusher; which piston is cylindrical and hollow and comprises a piston wall (34) a piston top (32) and a piston bottom (33) which piston wall comprises at least one opening (391) leading into an inner chamber of the hollow piston which piston wall comprises an outer sliding surface and an inner chamber surface.

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

(21) Application No.2998/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/10/2013 (43) Publication Date: 11/04/2014

# (54) Title of the invention : SYSTEM AND METHOD FOR BIPHASIC TRANSDERMAL IONTOPHREOTIC DELIVERY OF THERAPEUTIC AGENTS

(51) International classification :A61N1/30,A61N1/36,A61N1/04

 (31) Priority Document No
 :61/465896

 (32) Priority Date
 :24/03/2011

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

(86) International Application :PCT/US2012/030633

No Filing Date

:26/03/2012

(87) International Publication No: WO 2012/129576

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

Filing Date

(71)Name of Applicant:
1)INCUBE LABS LLC

Address of Applicant :2051 Ringwood Avenue San Jose CA

95131 U.S.A.

(72)Name of Inventor:

1)IMRAN Mir 2)HASHIM Mir

3)MCLAUGHLIN Glen

4)ARASTU Huma

5)VAIDYANATHAN Rekha

6)HARRIS Joel

7)KORUPOLU Radhika 8)MANGOGNA Andrew

9)ONG Chang 10)PATEL Sanjay 11)WANG Lu

12)WILLIAMS Timothy

#### (57) Abstract:

Various embodiments provide methods and systems for the biphasic iontophoretic transdermal delivery of therapeutic agents. An embodiment of a method for such delivery comprises positioning at least one electrode assembly in electrical communication with a patient s skin. The assembly includes a solution comprising a therapeutic agent which passively diffuses into the skin. A dose of agent is delivered from the assembly into the skin during a first period using a first current having a characteristic e.g. polarity and magnitude to repel the agent out of the assembly. During a second period a second current having a characteristic to attract the agent is used to retain the agent in the assembly such that delivery of agent into skin is minimized. A dose of agent may be delivered on demand by an input from the patient. Embodiments may be used for delivery of agents which cause adverse effects from unwanted passive diffusion.

No. of Pages: 57 No. of Claims: 69

(21) Application No.2999/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/10/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: PARKING MANAGEMENT SYSTEM AND METHODS

(51) International classification	:G08G1/14	(71)Name of Applicant:
(31) Priority Document No	:13/071128	1)PREMIER PARKING LLC
(32) Priority Date	:24/03/2011	Address of Applicant: 1550 Larimer Street No.287 Denver
(33) Name of priority country	:U.S.A.	Colorado 80202 U.S.A.
(86) International Application No	:PCT/US2012/030292	(72)Name of Inventor:
Filing Date	:23/03/2012	1)VOLZ Constance
(87) International Publication No	:WO 2012/129480	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Various arrangements for offering vehicle parking are presented. Utilization data and interest data regarding a parking space of a parking facility may be tracked and stored. An amount of time the parking space of the parking facility has been used based on the utilization data stored about the parking space. An amount of interest in the parking space may be determined based on the interest data. In accordance with a set of defined rules a price for the parking space may be determined based at least on the amount of time and the interest. The parking space may be offered to a customer at the determined price.

No. of Pages: 78 No. of Claims: 40

(21) Application No.3399/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :19/11/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : METHOD AND APPARATUS FOR THE FABRICATION OF AN ENDLESS BAND FROM A FIBER MATERIAL BLOCK IN PARTICULAR WOOD BLOCK THE ENDLESS BAND AND THE FIBER MATERIAL BLOCK

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:11004266.0 :24/05/2011 :EPO	(71)Name of Applicant:  1)PADANA AG Address of Applicant: Schutzengelstr. 36 CH 6340 Baar Switzerland (72)Name of Inventor:  1)MÖLLER Achim 2)KORN Christian 3)KNAUFF Andreas
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## (57) Abstract:

The invention is related to a method and an apparatus (1) for the fabrication of an endless band (300) containing fiber material in particular wood comprising at least the following method steps: providing at least one fiber material block the fiber material block having a face side; cutting off a plate element (31) from the face side of a fiber material block the plate element (31) having a cutting surface from the fiber material block a main surface facing the cutting surface and an edge surface connecting the cutting surface and the main surface; arranging in relation to each other the cutting surface of the plate element (31) and a fiber material block such that the main surface of the plate element (31) follows the face surface of the fiber material block wherein said face surface forms the main surface of a further plate element; connecting the plate element and the further plate element by a connecting means; cutting off the further plate element from the face side of the fiber material block. The invention is further related to the endless band (300) and the fiber material block which is the source for the fabrication of the endless band (300).

No. of Pages: 57 No. of Claims: 15

(21) Application No.3514/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: SYSTEM AND METHOD FOR PROCESSING WASTE 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</li></ul>	:C02F3/12 :13/099073 :02/05/2011 :U.S.A. :PCT/US2012/031974	(71)Name of Applicant:  1)RED BAG SOLUTIONS Address of Applicant: 3431 Benson Avenue Suite 100 Baltimore Maryland 21227 U.S.A. (72)Name of Inventor:
Filing Date	:03/04/2012	1)GLAZER Sanford A.
(87) International Publication No	:WO 2012/151022	2)NORTON William D.
(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 ozone sterilization of waste material includes a tank configured to receive waste material ozonated water and ozone gas. The system further includes a pump coupled to the tank to receive the waste material and the ozonated water from the tank and form a slurry. The pump includes a cutter assembly to reduce a particle size of the slurry through cutting. Additionally the system includes a circulation loop coupled between the tank and the pump to receive the slurry from the pump and re circulate the slurry to the tank until the slurry is sterilized. A method for ozone sterilization of waste material is also disclosed.

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

(21) Application No.3252/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD OF AND APPARATUS FOR MANUFACTURING CHOCOLATE PRODUCTS AND MOULD PLATE ASSEMBLIES

(51) International classification :A23G1/20,A23G1/22,A23G1/26 (71) Name of Applicant:

:16/04/2012

(31) Priority Document No :2011901415 (32) Priority Date :14/04/2011 (33) Name of priority country :Australia

(86) International Application :PCT/AU2012/000391

No Filing Date

(87) International Publication No:WO 2012/139175

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)CHOCOLATE GRAPHICS PTY LTD

Address of Applicant :26/50 James Street Burleigh Heads

Queensland 4220 Australia (72)Name of Inventor: 1)TAYLOR John Wesley

#### (57) Abstract:

A method of and apparatus for the manufacture of chocolate products formed from chocolate of at least two colours where mould assemblies arranged with mould cavities in columns and rows are advanced under a filling head which fills the mould cavities in a row advances the mould assemblies and vibrates the mould assemblies to release any air trapped in the mould cavities. The mould cavities are provided in mould plates formed from acrylic sheet material enabling chocolates of a wide range of shapes / sizes to be manufactured where the chocolates may have sharp edges for added aesthetic appeal.

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

(21) Application No.3253/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/11/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: RAIL TRACK SLEEPER SUPPORT

(51) International classification	:E01B1/00,E01B27/00,E01B27/04	(71)Name of Applicant:
(31) Priority Document No	:2011901253	1)NEWSTYLE NOMINEES PTY LTD
(32) Priority Date	:05/04/2011	Address of Applicant :45 Bygum Lane Martin Western
(33) Name of priority country	:Australia	Australia 6110 Australia
(86) International Application	:PCT/AU2012/000356	(72)Name of Inventor:
No	:05/04/2012	1)HUGHES Jim Lawson
Filing Date	.03/04/2012	
(87) International Publication	:WO 2012/135913	
No	. W O 2012/133713	
(61) Patent of Addition to	:NA	
Application Number	:NA	
Filing Date	.NA	
(62) Divisional to Application	:NA	
Number	:NA	
Filing Date	MA	

## (57) Abstract:

A support (32) adapted to be used in place of ballast in supporting a rail support member (31) of a rail track comprises a body (50). The body (50) includes a lower face (70) for resting on a support surface and an upper surface (71) for supporting the rail support member (31).

No. of Pages: 67 No. of Claims: 58

(21) Application No.3254/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: PARASITIC POWER SUPPLY AND SENSOR APPARATUS INCLUDING A POWER SUPPLY

:H02M3/156,G01R15/18 (71)Name of Applicant : (51) International classification (31) Priority Document No :13/109162 1) EATON CORPORATION (32) Priority Date :17/05/2011 Address of Applicant :Eaton Center 1111 Superior Avenue (33) Name of priority country :U.S.A. Cleveland OH 44114 2584 U.S.A. (86) International Application No :PCT/IB2012/000976 (72) Name of Inventor: Filing Date :18/05/2012 1)JUDS Mark A. (87) International Publication No :WO 2012/156812 2)GISSKE Edward T. (61) Patent of Addition to Application 3)KODELA Naresh K. :NA Number 4)ZHOU Xin :NA Filing Date 5)R Jayasuriya (62) Divisional to Application Number :NA

:NA

# (57) Abstract:

Filing Date

A parasitic power supply derives power from its proximity to an electrical power conductor. The power supply includes a transformer having a coil disposed on a core structured to be disposed parallel to the power conductor. The coil has a voltage induced by current flowing in the power conductor. A voltage regulating circuit cooperates with the transformer and includes a capacitor having a voltage a charge switch structured to charge the capacitor from the coil voltage a bootstrap circuit structured to enable the charge switch to charge the capacitor when the capacitor voltage is below a first predetermined value a charge controller structured to enable the charge switch to charge the capacitor when the capacitor voltage is below a second predetermined value and a voltage regulator powered by the capacitor voltage.

No. of Pages: 29 No. of Claims: 25

(21) Application No.3520/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/11/2013 (43) Publication Date : 11/04/2014

(54) Title of the invention: METHOD FOR EMPTYING AN INERTIA CONE CRUSHER

(51) International classification :B02C2/04,B02C25/00 (71)Name of Applicant : (31) Priority Document No :11169686.0 1)SANDVIK INTELLECTUAL PROPERTY AB (32) Priority Date :13/06/2011 Address of Applicant :S 811 81 Sandviken Sweden (33) Name of priority country :EPO (72)Name of Inventor: (86) International Application No :PCT/EP2012/059971 1)BELOTSERKOVSKIY Konstantin Filing Date :29/05/2012 (87) International Publication No :WO 2012/171774 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

A method for at least partly emptying a crushing chamber (48) formed between an inner crushing shell (18) and an outer crushing shell (12) of an inertia cone crusher (1). The inner crushing shell (18) is supported on a crushing head (16). A central axis (S) of the crushing head (16) will gyrate about a gyration axis (C) with an rpm for crushing material in the crushing chamber (48). The method comprises interrupting feeding of material to the crusher (1); measuring directly or indirectly at least one of a position and a motion of the crushing head (16) during an amplitude control period; comparing the measured position and/or motion with at least one set point value; determining based on said comparing the measured position and/or motion to at least one set point value whether the rpm should be adjusted; adjusting the rpm when necessary.

No. of Pages: 28 No. of Claims: 9

(21) Application No.3521/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHODS AND ARRANGEMENTS TO SAVE ENERGY CONSUMPTION IN A NETWORK NODE

(51) International classification (31) Priority Document No	:H04W88/08,H04W52/02,H04W24/04	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)NORMAN Mårten 2)SÖDERLUND Annie
Application No.	:PCT/SE2011/050803 :20/06/2011	
(87) International Publication No	:WO 2012/177191	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Method and arrangement in a network node (110) for preparing powering down of a first module (111 1) of a controlling part (111) comprised in the network node (110) wherein the network node (110)also comprises a radio transceiving part (112) and wherein the controlling part (111) is configured to run processes for controlling radio transmission over the radio transceiving part (112) which controlling part (111) further comprises a second module (111 2). The method comprises determining (1501) to power down the first module (111 1). Also the method comprises identifying (1502) a process in the first module (111 1) that is utilized for controlling radio transmission over a common channel in the radio transceiving part (112). Further the method comprises mirroring (1503) the identified (1502)process in the first module (111 1) over to the second module (111 2) of the controlling part (111). In addition the method comprises switching (1504) to control the radio transmission over the common channel in the radio transceiving part (112) from the mirrored (1503) process running on the second module (111 2).

No. of Pages: 72 No. of Claims: 17

(21) Application No.3388/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application:19/11/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: DEVICE AND METHOD FOR RECOGNIZING AN OPERATING STATE OF AN EXTRA CORPOREAL BLOOD TREATMENT

(51) International classification (71) Name of Applicant: :A61M1/16 (31) Priority Document No :10 2011 102 962.5 1)FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH (32) Priority Date :23/05/2011 Address of Applicant :Else Kröner Strasse 1 61352 Bad Homburg Germany (33) Name of priority country :Germany (86) International Application No :PCT/EP2012/002167 (72) Name of Inventor: Filing Date :22/05/2012 1)WEHMEYER Wolfgang 2)WÜPPER Andreas (87) International Publication No :WO 2012/159734 (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 device (25) and a method for recognizing a cause of a deviation from an ideal operating state or an ideal treatment course in an extra corporeal blood treatment. In the extra corporeal blood treatment according to the invention the blood to be treated flows in an extra corporeal blood circuit (9) through a blood chamber (3) of a dialyzer (1) divided by a semipermeable membrane (2) into the blood chamber (3) and a dialysis liquid chamber (4) and dialysis liquid in a dialysis liquid circuit (10) flows through the dialysis liquid chamber (4) of the dialyzer. The device according to the invention has the following: a means for changing a physical or chemical parameter (170; 171) of the dialysis liquid upstream of the dialysis liquid chamber (1) during the blood treatment a measuring means (174) for measuring a physical or chemical parameter of the dialysis liquid downstream of the dialysis liquid chamber a device for determining a value of the dialysance or clearance from a change in the measured physical or chemical parameter at a specific point in time during the blood treatment a device (25) for detecting a deviation of the determined value of dialysance or clearance from a reference value of the dialysance or clearance and an evaluation device (25) for recognizing a cause of a deviation from an ideal operating state in dependence on the specific point in time.

No. of Pages: 39 No. of Claims: 22

(21) Application No.3537/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :02/12/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD AND STATION DEVICE FOR SAVING POWER CONSUMPTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) 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>	:H04W52/02 :201110173688.X :24/06/2011 :China :PCT/CN2012/072886 :23/03/2012 :WO 2012/163147	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)YANG Lvxi  2)CHEN Yanhong
* * * * * * * * * * * * * * * * * * *		
6		, , , , , , , , , , , , , , , , , , ,
(87) International Publication No	:WO 2012/163147	2)CHEN Yanhong
(61) Patent of Addition to Application Number Filing Date	:NA :NA	3)LI Yunbo
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Provided are a method and station device (STA) for economizing power consumption. The method comprises: the STA determining that a frame received is an NDPA frame on the basis of a frame type identifier in the frame and acquiring an STA AID from an STA information domain in the NDPA frame; the STA comparing its own STA AID to the STA AID so acquired and determining whether said own STA AID is identical to the STA AID acquired. When the STA determines that its own STA AID is not identical to the STA AID acquired entry into doze mode is allowed. The embodiments of the present invention reduce the power consumption during a TXOP interval thus conserving resources.

No. of Pages: 25 No. of Claims: 16

(21) Application No.3538/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :02/12/2013 (43) Publication Date : 11/04/2014

## (54) Title of the invention: ENCODING/DECODING METHOD AND APPARATUS

(51) International classification :H04N7/26,H04N7/32 (71)Name of Applicant : (31) Priority Document No :201210018818.7 1)HUAWEI TECHNOLOGIES CO. LTD. (32) Priority Date :20/01/2012 Address of Applicant : Huawei Administration Building (33) Name of priority country :China Bantian Longgang Shenzhen Guangdong 518129 China :PCT/CN2012/080334 (72)Name of Inventor : (86) International Application No 1)YANG Haitao Filing Date :20/08/2012 (87) International Publication No :WO 2013/107177 2)LI Bin (61) Patent of Addition to Application 3)LI Houqiang :NA Number 4)ZHOU Jiantong :NA Filing Date (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

Embodiments of the present invention provide an encoding/decoding method and apparatus. The method comprises: extracting first information in a code stream; determining a chroma component intra frame prediction mode according to the first information; when the chroma component intra frame prediction mode is incapable of being determined according to the first information extracting second information in the code stream; and determining the chroma component intra frame prediction mode according to the second information the first information comprising information used for indicating whether the chroma component intra frame prediction mode is a DM mode or an LM mode the second information being used for indicating a residual mode as a chroma component intra frame prediction mode and the residual mode being any one of the modes capable of being used for a chroma component intra frame prediction mode except for the mode capable of being determined by the first information. The apparatus comprises a first extracting unit a first determining unit a second extracting unit and a second determining unit. Through the technical solution chroma mode encoding information can be reduced and ordering can be optimized thereby reducing encoding/decoding steps so as to lower encoding/decoding complexity and increase decoding efficiency.

No. of Pages: 41 No. of Claims: 16

(21) Application No.3278/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: DEVICE FOR EXAMINING OR TREATING A HUMAN EYE

:WO 2012/155929

(51) International classification: A61F9/008, A61B3/10, A61B3/113 (71) Name of Applicant:

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

(33) Name of priority country: NA

(86) International Application :PCT/EP2011/002414

No :16/05/2011 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)WAVELIGHT GMBH

Address of Applicant : Am Wolfsmantel 5 91058 Erlangen

Germany

(72)Name of Inventor:

1)VOGLER Klaus

2) ABRAHAM Mario

#### (57) Abstract:

A device is proposed for examining or treating a human eye with an eye tracker for detecting eye movements and for emitting a signal representative of the detected eye movements wherein the eye tracker comprises an interferometric image detector which is configured for the temporally resolved detection of sectional images of the eye and works on the basis of two dimensional or three dimensional optical coherence tomography and also an evaluation module which determines the eye movements solely from the sectional images.

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

(21) Application No.3279/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: POWER TRANSMISSION DEVICE

(51) International classification	:F16D25/0638	(71)Name of Applicant:
(31) Priority Document No	:2011102058	1)Kabushiki Kaisha F.C.C.
(32) Priority Date	:28/04/2011	Address of Applicant :7000 36 Nakagawa Hosoe cho Kita ku
(33) Name of priority country	:Japan	Hamamatsu shi Shizuoka 4311394 Japan
(86) International Application No	:PCT/JP2012/061341	(72)Name of Inventor:
Filing Date	:27/04/2012	1)ASATSUKE Shouji
(87) International Publication No	:WO 2012/147910	2)NAGATA Takumi
(61) Patent of Addition to Application	:NA	3)ISHIMURA Jun
Number	:NA	
Filing Date	11 (12	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

[Problem] To provide a power transmission device that can be reduced in size and is capable of increasing the efficiency of power transmission. [Solution] The power transmission device is provided with: a first partition member (7) and a second partition member (8); a first clutch plate set (9) comprising drive side clutch plates (9a) which are spline fitted to the first partition member (7) and driven side clutch plates (9b) which are spline fitted to the output side arranged in an alternating manner; a second clutch plate set (10) comprising drive side clutch plates (10a) which are spline fitted to the second partition member (8) and driven side clutch plates (10b) which are spline fitted to the output side arranged in an alternating manner; and a hydraulic piston (Pa) that depending on the direction of actuation can selectively press together or allow separation of the drive side clutch plates and driven side clutch plates in the first clutch plate set (9) or the second clutch plate set (10). By selectively actuating said hydraulic piston (Pa) power can be transmitted using a desired gear ratio.

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

(21) Application No.3412/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD AND SYSTEM FOR METHANE SEPARATION AND PURIFICATION FROM A BIOGAS

(51) International :B01D53/02,B01D53/50,B01D53/62 classification

(31) Priority Document No :13/097843

(32) Priority Date :29/04/2011 (33) Name of priority country:U.S.A.

(86) International :PCT/US2011/036643 Application No

:16/05/2011 Filing Date

(87) International Publication :WO 2012/148431

(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)A.R.C. TECHNOLOGIES CORPORATION

Address of Applicant: 225 Lumber Street Yukon Pennsylvania

15698 U.S.A.

(72)Name of Inventor: 1)SIEGEL Stanley M. 2)SIEGEL Dennis C.

(57) Abstract:

The method and system for methane separation and purification from a biogas includes collecting a raw Biogas gas stream (2) having methane carbon dioxide water sulfur compounds and non methane organic compound (NMOC) constituents. The Biogas stream (2) feeds into the intake of a liquid sulfur scrubber or a sulfur adsorber unit (3) where the Biogas is separated into a main gas stream (16) routed downstream in the system and a sulfur compounds stream (4) removed from the system. The main gas stream (16) is then processed by an NMOC absorber (7) and further downstream by an NMOC adsorber (12). NMOC produced by both NMOC processes is liquefied removed from the system and stored. Upstream from the NMOC processes the main gas stream is processed by at least one CO<sub>2</sub>, N<sub>2</sub>, O<sub>2</sub> gas separation unit (16) that produces a usable product stream (17) of enriched methane gas and an off gas stream (19) which a VPSAU (20) processes for venting and recycling.

No. of Pages: 13 No. of Claims: 19

(21) Application No.3541/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/12/2013 (43) Publication Date: 11/04/2014

(54) Title of the invention: DRY TYPE TRANSFORMER

(51) International :H01F27/02,H01F27/28,H01F27/32

classification (31) Priority Document No :11005855.9

(32) Priority Date :18/07/2011

(33) Name of priority country: EPO

(86) International Application :PCT/EP2012/002555

No :16/06/2012 Filing Date

(87) International Publication :WO 2013/010611

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

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

Filing Date

(71)Name of Applicant:

1)ABB TECHNOLOGY AG

Address of Applicant: Affolternstrasse 44 CH 8050 Zürich

Switzerland

(72)Name of Inventor: 1)WEBER Benjamin 2)LUCKEY Michael

3)MÖNIG Wolfgang

4)BOCKHOLT Marcos

### (57) Abstract:

The invention relates to a dry type transformer (70, 90) for mobile applications comprising a transformer core (86, 92) and at least one radially inner first (34, 54) and one radially outer second (32, 58) hollow cylindrical winding segment wound around a common winding axis and through which passes the transformer core (86, 92) which segments are nested inside one another and radially spaced apart from one another such that a hollow cylindrical cooling duct is formed therebetween. Spacing is achieved by spacer elements (24, 26, 28, 40, 42) arranged in such a manner that the cooling duct (10, 60, 62) allows a passage of coolant in an axial direction. The spacer elements (24, 26, 28, 40, 42) are formed and arranged along the radial circumference of the cooling duct (10, 60, 62) over the axial length thereof in such a manner that the proportionate weight of the horizontal transformer can be borne on at least one contact surface (44) of the at least second winding segment (32, 58) without causing deformation to the cooling duct (10, 60, 62).

No. of Pages: 25 No. of Claims: 13

(21) Application No.1149/KOL/2012 A

(19) INDIA

(22) Date of filing of Application :05/10/2012

(43) Publication Date: 11/04/2014

(54) Title of the invention : THERMO MECHANICALLY TREATED (TMT) BAR WITH IMPROVED SURFACE RIB PATTERN PROFILE AND THE METHOD FOR MANUFACTURING THE SAME.

		(71)Name of Applicant:
(51) International classification	:G02F1/1337	1)STEEL AUTHORITY OF INDIA LIMITED
(31) Priority Document No	:NA	Address of Applicant :RESEARCH & DEVELOPMENT
(32) Priority Date	:NA	CENTRE FOR IRON & STEEL, DORANDA,RANCHI-834002
(33) Name of priority country	:NA	JHARKHAND India
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)MAINI PUNEET KUMAR
(87) International Publication No	: NA	2)KARMAKAR DEBASHIS
(61) Patent of Addition to Application Number	:NA	3)BHAKAT ASIT KUMAR
Filing Date	:NA	4)JHA BIMAL KUMAR
(62) Divisional to Application Number	:NA	5)GUPTA NAND KISHORE
Filing Date	:NA	6)BANERJEE DHRUBA
		7)SARKAR PRADIP KUMAR

# (57) Abstract:

The present invention relates to a ribbed Thermo Mechanically Treated (TMT) bar with improved surface rib pattern profile for high adherence, particularly for reinforcements for concrete or welded mesh, deformed by hot rolling and equipped ribs inclined with respect to the central axis, and the process of manufacturing the said improved surface rib pattern profile thermo mechanically treated (TMT) bar with high bond strength.

No. of Pages: 13 No. of Claims: 11

(21) Application No.242/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :03/02/2014

(43) Publication Date: 11/04/2014

## (54) Title of the invention: PAINT COMPOSITION AND METHOD FOR FORMING COATING FILM USING THE SAME

(51) International :C09D163/00,C09D5/44,C09D133/14 classification

(31) Priority Document No :2011-154666

(32) Priority Date :13/07/2011

(33) Name of priority :Japan

country

(86) International :PCT/JP2012/066605 Application No

:28/06/2012 Filing Date

(87) International

:WO 2013/008640 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)NISSAN MOTOR CO., LTD.

Address of Applicant :2, Takara-cho, Kanagawa-ku

Yokohama-shi, Kanagawa 221-0023, JAPAN

(72)Name of Inventor: 1)Takeshi AIBA 2)Takeshi NOMOTO

3)NAKAO Fumiaki

(57) Abstract:

Filing Date

The present invention addresses the problem of providing a cationic electrodeposition coating having excellent covering power (clearance application properties), edge anticorrosion properties, and finish properties. The present invention provides a cationic electrodeposition coating composition comprising: a specific amino-group-containing epoxy resin (A); blocked polyisocyanate (B) obtained by reacting an active hydrogen-containing component containing propylene glycol, and a polyisocyanate compound; and 0.1-20 mass parts of a cationic electrodepositing gelled microparticulate polymer (C) obtained by crosslinking an acrylic copolymer containing hydrolyzable alkoxysilane groups and cationic groups, per a total of 100 mass parts of the solids fraction of the aminogroup-containing epoxy resin (A) and the blocked polyisocyanate compound (B).

No. of Pages: 45 No. of Claims: 6

(21) Application No.332/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :14/02/2014 (43) Publication Date : 11/04/2014

## (54) Title of the invention: FRAMELESS SOLAR MODULE WITH MOUNTING HOLES

(51) International classification	:H01L31/042	(71)Name of Applicant:
(31) Priority Document No	:11183427.1	1)SAINT-GOBAIN GLASS FRANCE
(32) Priority Date	:30/09/2011	Address of Applicant :18, avenue d'Alsace, F-92400
(33) Name of priority country	:EPO	Courbevoie, FRANCE
(86) International Application No	:PCT/EP2012/069295	(72)Name of Inventor :
Filing Date	:28/09/2012	1)HAPP, Thomas
(87) International Publication No	:WO 2013/045683	2)PHILIPP, Jan, Boris
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The invention relates to a frameless solar module having a carrier substrate and a top layer connected thereto, between which there is a layer structure which forms a plurality of solar cells connected up in series for the photovoltaic generation of power, wherein the carrier substrate and/or the top layer is/are provided with mounting holes for mounting the solar module on a module bracket or for connection to at least one further solar module. The mounting holes are each produced in a coating -free zone within a photovoltaically active region. The invention also relates to mounting arrangements having such a solar module which contain fixing elements which pass through the mounting holes. Furthermore, it extends to a method for producing such a solar module in which the mounting holes are produced in the carrier substrate and/or in the top layer. In this case, the layer structure is removed in coating free zones which contain the mounting holes or which are provided for producing the mounting holes.

No. of Pages: 33 No. of Claims: 12

(21) Application No.3548/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : DELIVERY ASSEMBLY FOR MACHINES FOR PREPARING LIQUID PRODUCTS VIA CARTRIDGES

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A47J31/36 :TO2011A000508 :09/06/2011 :Italy :PCT/IB2012/052911 :08/06/2012 :WO 2012/168917 :NA :NA :NA	(71)Name of Applicant:  1)LUIGI LAVAZZA S.P.A. Address of Applicant: Corso Novara 59 I 10154 Torino Italy (72)Name of Inventor: 1)BUGNANO Luca 2)CABILLI Alberto 3)PINNA Andrea 4)DE MANGO Carlo
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## (57) Abstract:

A machine for preparing liquid products via cartridges (10) comprises a delivery assembly (30) that includes at least: one injector device (34) to introduce into a cartridge (10) water and/or steam under pressure; an infusion chamber (31) facing the injector device (34) and designed to receive the cartridge (10); an actuation system (35) designed to cause relative displacements between the injector device (34) and the infusion chamber (31) between a spaced position and a close position; a loading arrangement that includes an inlet duct (40) and retention means (42, 47) which can be switched between a retention condition where the cartridge (10) is kept in a position substantially coaxial to the infusion chamber (31) and to the injector device (34) and a release condition where the cartridge (10) is free to fall towards an outlet passage (41) of the delivery assembly (30). The injector device (34) the infusion chamber (31) and the retention means (42, 47) are prearranged for obtaining a switching of the retention means (42, 47) from the retention condition to the release condition by means of a relative displacement between the injector device (34) and the infusion chamber (31).

No. of Pages: 39 No. of Claims: 17

(21) Application No.3430/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 21/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: DISCONTINUOUS CENTRIFUGE COMPRISING A ROTATABLE CENTRIFUGE DRUM THAT HAS A JACKET AND METHOD FOR THE PRODUCTION OF SAID JACKET

:B04B3/00,B04B7/16,B04B7/18 (71)Name of Applicant : (51) International classification

(31) Priority Document No :10 2011 119 262.3 (32) Priority Date :24/11/2011

(33) Name of priority country :Germany

(86) International Application No: PCT/EP2012/073464

Filing Date :23/11/2012

(87) International Publication No: WO 2013/076243

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

Filing Date

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

1)BMA BRAUNSCHWEIGISCHE MASCHINENBAUANSTALT AG

Address of Applicant : Am alten Bahnhof 5 38122

Braunschweig Germany (72)Name of Inventor:

1)WESTENDARP Hans Heinrich

2)SPANGENBERG Dirk

### (57) Abstract:

A discontinuous centrifuge comprises a rotatable centrifuge drum (10) that has a jacket (13). The cylindrical centrifuge jacket (13) has holes (50) for discharging the liquid separated during the centrifuging process. The cross section of the holes (50) has an elliptical shape and widens from the inside to the outside while the wall of the holes is continuous. In the direction running parallel to the drum axis the diameter of the cross sections of the holes on the inside of the jacket (13) is the same as the diameter of the cross sections of the holes (50) on the outside of the holes (50). In the circumferential direction however the diameter of the cross sections of the holes (50) on the inside of the jacket (13) is smaller than the diameter of the cross sections of the holes (50) on the outside of the jacket (13). The surface area of the elliptical holes can be additionally subdivided by webs.

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

(21) Application No.3431/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/11/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : METHODS AND ARRANGEMENTS FOR ADAPTING RANDOM ACCESS ALLOCATION OF RESOURCES TO USER EQUIPMENTS

(51) International classification	:H04W74/08	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:NA	Address of Applicant :S 164 83 Stockholm Sweden
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:PCT/SE2011/050561	1)WIBERG Niclas
Filing Date	:05/05/2011	2)RUNE Johan
(87) International Publication No	:WO 2012/150883	3)ERIKSSON Erik
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

The present disclosure relates to User Equipments UEs or Machine Type Communication MTC (104, 202, 302, 304, 700) devices and base stations (102, 204, 306, 600) and methods therein for adapting the allocating of random access resources to user equipments of a cell served by a base station. A method in a base station (102, 204, 306, 600) where each RA preamble group maps or corresponds to an uplink allocation size comprises receiving a RA preamble from a UE in a cell served by the base station the preamble indicating a requested resource allocation size for uplink transmission of UE data. Radio resource usage (S 348, 402) in the cell is monitored and a mapping between groups of RA preambles and uplink allocation sizes (S 356, 412) configured for the cell is adapted based on the monitored usage of radio resources. UEs or MTC devices are thus provided with an efficient means to have their UL allocation needs for transmission of user data in conjunction with step 3 of the Random Access procedure met.

No. of Pages: 72 No. of Claims: 26

(21) Application No.3558/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/12/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD AND DEVICE FOR CATALYTIC CRACKING

(51) International :C10G51/00,C10G51/02,C10G55/06

classification

(31) Priority Document No :201110160132.7 :15/06/2011 (32) Priority Date

(33) Name of priority country: China

(86) International :PCT/CN2012/075635

Application No :17/05/2012 Filing Date

(87) International Publication :WO 2012/171426

(61) Patent of Addition to

:NA **Application Number** :NA

Filing Date

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

Filing Date (57) Abstract:

(71)Name of Applicant:

1)SHI Baozhen

Address of Applicant :6th Floor Qinghua Hi Tech Plaza No.3 Sanshan Road High Tech Development Zone Luoyang Henan 471003 China

(72)Name of Inventor:

1)SHI Baozhen

Provided is a method for catalytic cracking. The method comprises: a regenerated catalyst entering a pre rising section (VIII) is mixed with raw oil and fed to a raw oil reaction area (I) for a catalytic cracking reaction; the catalyst and the oil gas flow upwards into a catalyst diverging area (III) where part of the catalyst diverges and flows into a stripping area for the catalyst to be regenerated (V VII); the non diverged catalyst and the oil gas together continue to flow upwards and are then mixed in an oil gas repeat reaction area (II) with a regenerated catalyst entering into a supplementary catalyst distribution area (IV) and the oil gas undergoes a repeat catalytic reaction; then the oil gas and the catalyst in a riser reactor undergo gas solid separation in a settler (VI) with the oil gas entering a fractionating tower system via an oil gas line and the catalyst to be regenerated in the raw oil reaction area (I) and the oil gas repeat reaction area (II) entering a regenerator (13) after being steam stripped in the stripping area for the catalyst to be regenerated in order to be reactivated. Also provided is a catalytic cracking device for use in the above mentioned catalytic cracking method.

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

(21) Application No.3414/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: FOULING CONTROL COATING COMPOSITIONS

(51) International :C09D5/16,C09D5/00,C09D183/04

classification

(31) Priority Document No :11172163.5 (32) Priority Date :30/06/2011

(33) Name of priority country: EPO

(86) International Application :PCT/DK2012/050228

No Filing Date :29/06/2012

:WO 2013/000479

(87) International Publication

(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)HEMPEL A/S

Address of Applicant :Lundtoftegrdsvej 91, DK-2800 Kgs.

Lyngby Denmark

(72)Name of Inventor:

1)THORLAKSEN, Peter Christian Weinrich

2)BLOM, Anders

3)YEBRA, Diego Meseguer

### (57) Abstract:

The present application discloses a fouling control cured paint coat comprising a polysiloxane- based binder matrix and one or more biocides, said binder matrix having included as a part thereof hydrophilic oligomer/polymer moieties, wherein the weight ratio between the hydrophilic oligomer/polymer moieties and the one or more biocides is in the range 1:0.02 to :20, and wherein 50 % of the binder system is polysiloxane parts. The application further discloses a marine structure comprising on at least a part of the outer surface thereof an outermost coating of the cured paint coat. Moreover, the application discloses the use of the combination of one or more polysiloxane components modified with hydrophilic oligomer/polymer moieties and one or more biocides, wherein the weight ratio between the hydrophilic oligomer/polymer moieties and the one or more biocides is in the range 1:0.02 to :20, for improving the antifouling properties of a polysiloxane based coating composition.

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

(21) Application No.3419/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: SMS BASED TRANSPORT FOR INSTANT CHATTING ON MULTIPLE PLATFORMS

:NA

:H04W4/12,H04W88/18 (71)Name of Applicant : (51) International classification (31) Priority Document No :13/099163 1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) (32) Priority Date :02/05/2011 Address of Applicant :SE 164 83 Stockholm Sweden (33) Name of priority country :U.S.A. (72)Name of Inventor: (86) International Application No :PCT/IB2012/052202 1)ZHU Zhongwen Filing Date :02/05/2012 (87) International Publication No :WO 2012/150562 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA

# (57) Abstract:

Filing Date

An instant messaging service is provided using short message service (SMS) messages as the underlying transport layer. A user having a phone associated with an MSISDN can use a client to generate messages that are then transmitted as if they originated from the phone. The SMS message is delivered to the second party s phone as per a normal SMS message. If the second party is also using a client the client can retrieve messages addressed to the second party s MSISDN even though client does not need to be associated with the MSISDN. The use of SMS messages provides for a persistent and reliable transport layer and also allows for fall back to SMS messaging for either party independently.

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

(21) Application No.3550/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/12/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: EXTRACTION FROM CELLS

(51) International classification	:C12P21/00,C12N1/06	(71)Name of Applicant:
(31) Priority Document No	:1107737.7	1)THE UNIVERSITY OF BIRMINGHAM
(32) Priority Date	:09/05/2011	Address of Applicant :Edgbaston Birmingham B15 2TT U.K.
(33) Name of priority country	:U.K.	(72)Name of Inventor:
(86) International Application No	:PCT/GB2012/000423	1)DAFFORN Timothy
Filing Date	:09/05/2012	2)TYRYNIS THOMAS Owen Robert
(87) International Publication No	:WO 2012/153089	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A method for releasing the content of the periplasmic space of bacterial cells is provided which comprises incubating the bacterial cells in a solution containing styrene maleic acid copolymer (SMA). Also provided is a method of preparing a substantially pure sample of recombinant polypeptide. The methods find application in the recovery of materials such as proteins from bacterial cells.

No. of Pages: 49 No. of Claims: 21

(21) Application No.3551/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/12/2013 (43) Publication Date : 11/04/2014

## (54) Title of the invention: DISTRIBUTING BOOM FOR CONCRETE PUMPS

(51) International classification	:E04G21/04,B66C23/62	(71)Name of Applicant :
(31) Priority Document No	:10 2011 078 783.6	1)PUTZMEISTER ENGINEERING GMBH
(32) Priority Date	:07/07/2011	Address of Applicant :Max Eyth Strasse 10 72631 Aichtal
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2012/061245	(72)Name of Inventor:
Filing Date	:14/06/2012	1)NEUBERT Michael
(87) International Publication No	:WO 2013/004460	2)BRAUN Matthias
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The invention relates to a distributing boom (14) for stationary or mobile concrete pumps. The distributing boom (14) consists substantially of a rotary head (22) which can be rotated about an axis of rotation (18) in the form of a vertical axis and of an arm assembly (24) which is made up of a plurality of boom arms which can be telescoped or pivoted relative to one another. The arm assembly (24) has the one end of its first boom arm (1) articulated on the rotary head (22) and by means of a first cylinder/piston unit (32) which has its ends articulated at points of articulation (28 30) of the rotary head (22) and of the first boom arm (1) can be pivoted about a horizontal axis of inflection (A) between a substantially horizontally oriented retracted position and an operating position. It is an aim of the invention to provide measures which make it possible for the cylinder/piston unit (32) which acts on the first boom arm (1) to be reduced in size. In order to achieve this the invention proposes that the first boom arm (1) has acting on it at least one displacement assisting element (36) which is effective over a defined pivoting range starting from the retracted position of the boom arm.

No. of Pages: 15 No. of Claims: 9

(21) Application No.1134/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :01/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: MULTI-MODE CONTINUOUSLY VARIABLE TRANSMISSION MECHANISM.

<ul><li>(51) International classification</li><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>		VILLAGE, HSIN FONG SHIANG, HSINCHU, TAIWAN R.O.C.
(33) Name of priority country	:Taiwan	(72)Name of Inventor:
(86) International Application No	:NA	1)CHOU PO-YU
Filing Date	:NA	2)CHEN WEI-YU
(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 multi-mode continuously variable transmission mechanism includes an input shaft, a driving disk assembly, a driving sliding block, a plurality of elastic elements, and a switching module. The driving disk assembly includes a driving disk, a sliding driving disk, a ball pressing board, and a plurality of balls. Upon rotation of the input shaft, the plural balls will push the sliding driving disk, subject to centrifugal force, to slide along the input shaft. The elastic elements are arranged on the input shaft, and are disposed between the sliding driving disk and the driving sliding block, where the driving sliding block has its one end pass partially through the driving disk and press against the plural elastic elements. The switching module is connected with the driving sliding block, and is provided for controlling movement of the driving sliding block so as to alter a pre-biasing amount of the driving sliding block against the plural elastic elements. Thereby, a continuously variable transmission in two or more transmission modes can be formed.

No. of Pages: 18 No. of Claims: 7

(21) Application No.3440/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date: 11/04/2014

# (54) Title of the invention: LIGNIN PRODUCTION FROM LIGNOCELLULOSIC BIOMASS

(51) International classification	:C09K8/20,D21H17/23,C08B7/00	(71)Name of Applicant :
(31) Priority Document No	:61/482479	1)RENMATIX INC.
(32) Priority Date	:04/05/2011	Address of Applicant :660 Allendale Road King of Prussia PA
(33) Name of priority country	:U.S.A.	19406 U.S.A.
(86) International Application No Filing Date	:PCT/US2012/036591 :04/05/2012	<ul><li>(72)Name of Inventor:</li><li>1)KADAM Kiran</li><li>2)SIMARD Michel A.</li></ul>
(87) International Publication No	:WO 2012/151524	3)DOWE George S.
(61) Patent of Addition to Application Number Filing Date	:NA :NA	

## (57) Abstract:

Filing Date

Number

Methods are disclosed for preparing lignin from lignocellulosic biomass using rapid full or partial pressure reduction to separate and pulverize the lignin without fouling the equipment and with improved energy recovery.

No. of Pages: 28 No. of Claims: 19

(62) Divisional to Application

:NA

:NA

(21) Application No.3441/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date: 11/04/2014

# (54) Title of the invention: MULTISTAGE CELLULOSE HYDROLYSIS AND QUENCH WITH OR WITHOUT ACID

(51) International classification :C07H3/02,C07H3/06,C07H1/08 (71) Name of Applicant : (31) Priority Document No :61/482382

(32) Priority Date :04/05/2011

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

(86) International Application No:PCT/US2012/036583 Filing Date :04/05/2012

(87) International Publication No: WO 2012/151521

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

(62) Divisional to Application :NA Number :NA

Filing Date

1) RENMATIX INC.

Address of Applicant:660 Allendale Road King of Prussia

Pennsylvania 19406 U.S.A. (72)Name of Inventor:

1)KILAMBI Srinivas 2)KADAM Kiran 3)MARTIN Cheryl A.

(57) Abstract:

6Methods are disclosed for increasing the yields of fermentable C sugars from lignocellulosic biomass by using a multistage cellulose hydrolysis and quench with or without acid.

No. of Pages: 39 No. of Claims: 57

(21) Application No.3442/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :22/11/2013 (43) Publication Date : 11/04/2014

## (54) Title of the invention: MULTIPLE PISTON DISK BRAKE

(51) International classification	:F16D55/2255,F16D65/56,F16D65/18	1)KNORR BREMSE SYSTEME FUR NUTZFAHRZEUGE
(31) Priority Document No		GMBH
(32) Priority Date	:09/06/2011	Address of Applicant :Moosacher Str. 80 80809 München
(33) Name of priority country	:Germany	Germany (72)Name of Inventor:
(86) International	:PCT/EP2012/060360	1)PRITZ Wolfgang
Application No Filing Date	:01/06/2012	
(87) International Publication No	:WO 2012/168148	
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

The invention relates to a multiple piston disk brake (1) comprising a brake caliper overlapping a brake disk at least two pressure pistons (6) that are movably arranged in the brake caliper to apply a clamping force to at least one brake pad (2) in the direction of the brake disk a pressure plate (10 10) that is coupled to the at least two pressure pistons (6) and a clamping unit that has a pressure tube (14) comprising an adjustment device (17) a bridge (15) and a lever (16) wherein each of the at least two pressure pistons (6) is mounted in an axially movable manner in a pressure piston guide (5) securely connected to the brake caliper.

No. of Pages: 21 No. of Claims: 12

(21) Application No.3443/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date: 11/04/2014

## (54) Title of the invention: LIGNIN PRODUCTION FROM LIGNOCELLULOSIC BIOMASS

(51) International classification :C08H7/00,C08H8/00,C07G1/00 (71)Name of Applicant : (31) Priority Document No :61/482425

:NA

(32) Priority Date :04/05/2011 (33) Name of priority country :U.S.A.

(86) International Application No:PCT/US2012/036566 Filing Date :04/05/2012

(87) International Publication No: WO 2012/151509

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

Filing Date (62) Divisional to Application :NA Number

Filing Date

1) RENMATIX INC.

Address of Applicant :660 Allendale Road King Of Prussia

PA 19406 U.S.A.

(72)Name of Inventor: 1)IYER Krishnan V. 2)SIMARD Michel A. 3)KADAM Kiran

## (57) Abstract:

Methods are disclosed for providing lignin product of a small particle size for improving burning efficiency and for avoiding typical equipment fouling problems while maximizing energy recovery.

No. of Pages: 25 No. of Claims: 41

(21) Application No.3572/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/12/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: GEOTHERMAL ASSISTED POWER GENERATION

(51) International classification: F03G4/00,F01K13/00,F01K27/00 (71)Name of Applicant:

:2011902528 (31) Priority Document No (32) Priority Date :27/06/2011 (33) Name of priority country :Australia

(86) International Application :PCT/AU2012/000745

No :26/06/2012

Filing Date

(87) International Publication :WO 2013/000013

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

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

Filing Date

1)NEWCASTLE INNOVATION LIMITED

Address of Applicant :Industry Development Centre University Drive Callaghan New South Wales 2308 Australia

(72)Name of Inventor:

1)MOGHTADERI Behdad

2)MULLARD Brad William

### (57) Abstract:

in a coal fired power plant (17) incorporating a feed water heater (10) energy is provided to the feed water heater by pumping geothermal hot water through supply and return pipes (15 16) from a geothermal reservoir(14) located beneath an adjacent coal seam (19). The coal seam acts as an insulating layer increasing the temperature of the geothermal reservoir (14). Solar heat collectors (21) and (25) can also be provided to boost the temperature of the geothermal hot water and/or the feed water.

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

(21) Application No.2902/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : CHILLED GOODS CONTAINER AND REFRIGERATOR COMPRISING A CHILLED GOODS CONTAINER

(51) International classification (31) Priority Document No	:F25D25/02 :10 2011 017 735.3	(71)Name of Applicant : 1)BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH
(32) Priority Date	:28/04/2011	Address of Applicant :Carl Wery Str. 34 81739 München
(33) Name of priority country	:Germany	Germany
(86) International Application No	:PCT/EP2012/057475	(72)Name of Inventor:
Filing Date	:24/04/2012	1)BENITSCH Roland
(87) International Publication No	:WO 2012/146581	2)DEISSLER Stefan
(61) Patent of Addition to Application	:NA	3)FINK Jürgen
Number	:NA	4)LEGNER Christian
Filing Date	.INA	5)MARTINEZ DE FALCON PEREZ Miguel
(62) Divisional to Application Number	:NA	6)SCHLUDE Heike
Filing Date	:NA	7)SEN Hüseyin

### (57) Abstract:

The invention relates to a chilled goods container (10) for refrigerators especially household refrigerators comprising a base body (11) the base body (11) comprising a bottom surface (12) and a first lateral boundary (13) and a second lateral boundary (14) the first lateral boundary (13) being connected to the bottom surface (12) and the second lateral boundary (14) being removable from the base body (11). The invention is characterised in that in a mounted state the second lateral boundary (14) is connected to the first lateral boundary (13) by means of an locking connection (15).

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

(21) Application No.304/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 12/02/2014 (43) Publication Date: 11/04/2014

## (54) Title of the invention: METHODS FOR MANUFACTURING ARCHITECTURAL CONSTRUCTS

(51) International classification: C01B31/02, C01B35/14, C07C9/04 (71) Name of Applicant:

:NA

:WO 2013/025631

(31) Priority Document No :61/523,261 :12/08/2011 (32) Priority Date

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

(86) International Application :PCT/US2012/050629

No

:13/08/2012 Filing Date

(87) International Publication

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

Filing Date (62) Divisional to Application :NA Number

Filing Date

1)MCALISTER TECHNOLOGIES, LLC

Address of Applicant: 3349 E. Blackhawk, Phoenix, AZ

85050 U.S.A.

(72)Name of Inventor:

1)MCALISTER, Roy, Edward

### (57) Abstract:

An architectural construct is a synthetic material that includes a matrix characterization of different crystals engineered to exhibit certain properties. An architectural construct can be fabricated by a process involving layer deposition, formation, exfoliation and spacing. In one aspect, purified methane can be dehydrogenated onto a substrate by applying heat through the substrate. Deposited carbon can form a plurality of layers of a matrix characterization of crystallized carbon through self-organization. The layers can be exfoliated and spaced to configure parallel orientation at a desired spacing and thickness using selected precursors and applying heat, pressure, or both. The desired architectural construct can further be stabilized and doped to exhibit desired properties.

No. of Pages: 66 No. of Claims: 19

(21) Application No.3186/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/10/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD FOR DISPLAYING MARKER IN A MAP 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 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> <li>(57) Abstract</li> </ul>	:G06Q50/10,G06Q50/30 :1020110041077 :29/04/2011 :Republic of Korea :PCT/KR2012/003220 :26/04/2012 :WO 2012/148179 :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)SUNG Joo II  2)JEON Han Kyung 3)AHN Chan Su 4)OH Young II 5)YOON Je Sang
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## (57) Abstract:

A method for displaying a marker in a map service is provided. In the method a plurality of markers each representing information are displayed differentially in a propagation range set according to the importance of a user in the map service. When the plurality of markers are displayed overlapped a marker representing information of highest importance is displayed.

No. of Pages: 22 No. of Claims: 17

(21) Application No.346/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 17/02/2014 (43) Publication Date: 11/04/2014

## (54) Title of the invention: SHIFT CONTROL DEVICE FOR CONTINUOUSLY-VARIABLE TRANSMISSION AND SHIFT CONTROL METHOD FOR CONTINUOUSLY-VARIABLE TRANSMISSION

(51) International classification :F16H61/10,F16H61/662 (71)Name of Applicant :

(31) Priority Document No :2011-165618 (32) Priority Date :28/07/2011 (33) Name of priority country :Japan

(86) International Application No :PCT/JP2012/064919

Filing Date :11/06/2012

(87) International Publication No :WO 2013/015029 (61) Patent of Addition to Application :NA Number :NA

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

1)NISSAN MOTOR CO., LTD.

Address of Applicant:2, Takara-cho, Kanagawa-ku,

Yokohama-shi, Kanagawa 221-0023, JAPAN

(72)Name of Inventor: 1)Tomoyuki SUZUKI

(57) Abstract:

A change gear control device for a continuously variable transmission is provided with: an operating state detection means for detecting the operating state of a vehicle; a control means for controlling the change gear ratio of the continuously variable transmission on the basis of the operating state; an acceleration request determination means for determining an acceleration request from a driver; a linear mode setting means for, on the basis of the acceleration request, setting a linear mode in which a change gear ratio such that the input number of rotations of the continuously variable transmission becomes larger than that in a normal mode at the same vehicle speed is set; a longitudinal G detection means for detecting the longitudinal G of the vehicle; and a linear mode cancelation means for, when it is determined on the basis of the longitudinal G that there is no acceleration request during traveling in the linear mode, cancelling the linear mode even under the condition that the linear mode is implemented.

No. of Pages: 22 No. of Claims: 5

(21) Application No.3587/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/12/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD FOR HANDLING HARD METAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No</li> </ul>	:C22B7/00 :11170382.3 :17/06/2011 :EPO	(71)Name of Applicant:  1)SANDVIK INTELLECTUAL PROPERTY AB Address of Applicant: SE 811 81 Sandviken Sweden (72)Name of Inventor:  1)BÄCKLUND Stefan
<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/EP2012/061279 :14/06/2012 :WO 2012/171993 :NA :NA	1)BACKLUND Stefan 2)JUTTERSTRÖM UIf

# (57) Abstract:

The present invention relates to a method for sorting hard metal characterised by comprising the steps: (a) subjecting one or more bodies comprising hard metal to a heat treatment at a temperature of 500 °C or higher in an atmosphere comprising at least one reactive gas component prone to form a reaction product with an element that may or may not be present in the one or more bodies and (b) performing a sorting operation of the one or more bodies based on a presence or absence of the reaction product in a surface portion of the heat treated one or more bodies.

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

(21) Application No.3209/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :30/10/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: CONTROL DEVICE AND METHOD FOR OPERATING SUCH A CONTROL DEVICE

:NA

:H02B11/02,H01H71/02 (71)Name of Applicant : (51) International classification (31) Priority Document No :10 2011 076 045.8 1) SIEMENS AKTIENGESELLSCHAFT (32) Priority Date :18/05/2011 Address of Applicant: Wittelsbacherplatz 2 80333 München (33) Name of priority country :Germany Germany (86) International Application No :PCT/EP2012/058132 (72)Name of Inventor: 1)BÖMOSER Stefan Filing Date :03/05/2012 2)PRÖLSS Manfred (87) International Publication No :WO 2012/156207 (61) Patent of Addition to Application :NA Number :NA Filing Date (62) Divisional to Application Number :NA

# (57) Abstract:

Filing Date

The invention relates to a control device (3) for an electric load (6) and to a corresponding method for operating such a control device (3) said control device (3) being designed as an insert module for inserting into an insert shaft. Depending on the design the insert shaft is provided with or without a storing device for storing configuration data and/or operating parameters of the control device or the electric load (6). The control device (3) is characterized by the following features: a) the control device (3) has first means for checking whether a storing device (12) is present or not b) the control device (3) has second means for implementing the function of reading the parameters and data for operating the control device (3) if a storing device (12) is present said parameters and data being stored in the storing device and not carrying out a start up if a storing device (12) is not present and c) the function of not carrying out a start up when a storing device (12) is not present can be deactivated.

No. of Pages: 16 No. of Claims: 6

(21) Application No.3344/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: SPECTRUM AGILE RADIO

(51) International classification	:H03H17/02	(71)Name of Applicant:
(31) Priority Document No	:13/106048	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:12/05/2011	Address of Applicant :S 164 83 Stockholm Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/IB2012/052088	1)MCGOWAN Neil
Filing Date	:26/04/2012	
(87) International Publication No	:WO 2012/153221	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A spectrum agile radio having one or more variable digital filters is described. To quickly yet accurately retune the digital filter(s) a windowing function is applied to an ideal filter characteristic for each of one or more desired frequency bands to generate filter coefficients. Transitioning between coefficients of a previous filter and a current filter is handled to avoid problems associated with discontinuities in the signal processing.

No. of Pages: 32 No. of Claims: 18

(21) Application No.3345/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/11/2013 (43) Publication Date : 11/04/2014

## (54) Title of the invention: PHOTOVOLTAIC ARRAY UTILIZING PHYLLOTAXIC ARCHITECTURE

(51) International classification	:H01L31/042	(71)Name of Applicant:
(31) Priority Document No	:61/517092	1)SEQUENCE DESIGN LTD.
(32) Priority Date	:14/04/2011	Address of Applicant :20 Jay Court Northport NY 11768
(33) Name of priority country	:U.S.A.	U.S.A.
(86) International Application No	:PCT/US2012/033362	(72)Name of Inventor:
Filing Date	:12/04/2012	1)DWYER Sean Patrick
(87) International Publication No	:WO 2012/142316	2)DWYER Aidan Rhys
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	37.4	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

An array of photovoltaic panels comprising a plurality of primary branches extending radially outwardly from a central trunk and a plurality of photovoltaic panels joined to the primary branches wherein the primary branches extend outwardly from the trunk in a spiral arrangement having a ratio of x turns around the trunk for every y primary branches. The ratio of x:y may be derived from a phyllotaxic arrangement of branches and leaves on a plant. X may be a Fibonacci number with y being its Fibonacci second successor. The ratio of x/y may be selected from certain Fibonacci ratios including 1/3 2/5 3/8 and 5/13. A method of converting electromagnetic radiation to electrical energy and a method of making a device for converting electromagnetic radiation to electrical energy in accordance with the invention are also disclosed.

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

(21) Application No.3346/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 12/11/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: HIGH DURABILITY SHEET FOR MANUFACTURING BANK NOTES

(51) International :D21H17/57,D21H19/62,D21H19/82

classification .DZIIII // 37, DZIIII 9/02, DZI

(31) Priority Document No :11 54324 (32) Priority Date :18/05/2011

(33) Name of priority :France

country (86) International

(86) International :PCT/IB2012/052417
Application No :15/05/2012

Filing Date :15/05/2012

(87) International

Publication No :WO 2012/156904

(61) Patent of Addition to Application Number :NA

Filing Date

(62) Divisional to
Application Number
Filing Date

:NA
:NA

(71)Name of Applicant:

1)ARJOWIGGINS SECURITY

Address of Applicant :32 avenue Pierre Grenier F 92100

Boulogne billancourt France (72)Name of Inventor:

1)GODARD Vincent

(57) Abstract:

The present invention relates to a sheet of high durability paper in particular for the production of bank notes comprising: a fibrous substrate and a protective coating completely covering at least one surface of the fibrous substrate said coating comprising at least one base layer on the side of the substrate and a polyurethane outer printable layer covering the base layer.

No. of Pages: 27 No. of Claims: 29

(21) Application No.3601/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application:09/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : METHOD AND APPARATUS FOR DECOMPOSING A STEREO RECORDING USING FREQUENCY DOMAIN PROCESSING EMPLOYING A SPECTRAL WEIGHTS GENERATOR

(51) International classification	:H04S3/00	(71)Name of Applicant :
(31) Priority Document No	:61/504588	1)FRAUNHOFER GESELLSCHAFT ZUR FÖRDERUNG
(32) Priority Date	:05/07/2011	DER ANGEWANDTEN FORSCHUNG E.V.
(33) Name of priority country	:U.S.A.	Address of Applicant :Hansastraße 27c 80686 München
(86) International Application No	:PCT/EP2012/062932	Germany
Filing Date	:03/07/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/004698	1)UHLE Christian
(61) Patent of Addition to Application	:NA	2)FINAUER Stefan
Number	:NA	3)GAMPP Patrick
Filing Date	.11/1	4)HELLMUTH Oliver
(62) Divisional to Application Number	:NA	5)PROKEIN Peter
Filing Date	:NA	6)STÖCKLMEIER Christian

### (57) Abstract:

An apparatus for generating a stereo side signal having a first side channel and a second side channel from a stereo input signal having a first input channel and a second input channel is provided. The apparatus comprises a modification information generator (110) for generating modification information based on mid side information. Furthermore the apparatus comprises a signal manipulator (120) being adapted to manipulate the first input channel based on the modification information to obtain the first side channel and being adapted to manipulate the second input channel based on the modification information to obtain the second side channel. The modification information generator (110) comprises a spectral weights generator (116) for generating the modification information by generating a first spectral weighting factor based on a mono mid signal and on a mono side signal of the stereo input signal.

No. of Pages: 69 No. of Claims: 15

(21) Application No.3231/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/11/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : SYSTEM AND METHOD FOR SURGICAL TREATMENT OF AN EYE AND METHOD FOR CALIBRATING SUCH A SYSTEM

(51) International classification	:A61F9/008	(71)Name of Applicant:
(31) Priority Document No	:NA	1)WAVELIGHT GMBH
(32) Priority Date	:NA	Address of Applicant : Am Wolfsmantel 5 91058 Erlangen
(33) Name of priority country	:NA	Germany
(86) International Application No	:PCT/EP2011/002415	(72)Name of Inventor:
Filing Date	:16/05/2011	1)WELLHOEFER Armin
(87) International Publication No	:WO 2012/155930	2)DONITZKY Christof
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
		I .

## (57) Abstract:

A system (10) for surgical treatment of an eye comprises a laser arrangement (12) designed to emit light with a wavelength and repetition rate suitable for the surgical treatment of the eye. The system (10) further comprises a temperature detector (14) which is designed to detect the temperature of an object (26) to which the light from the laser arrangement (12) is to be applied.

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

(21) Application No.3232/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :01/11/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: PEPDUCIN DESIGN AND USE

(51) International classification	:C12P21/04,A61K31/36	(71)Name of Applicant:
(31) Priority Document No	:61/473675	1)TUFTS MEDICAL CENTER INC.
(32) Priority Date	:08/04/2011	Address of Applicant :800 Washington Street Boston MA
(33) Name of priority country	:U.S.A.	02111 U.S.A.
(86) International Application No	:PCT/US2012/032824	(72)Name of Inventor:
Filing Date	:09/04/2012	1)KULIOPULOS Athan
(87) International Publication No	:WO 2012/139137	2)COVIC Lidija
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Disclosed here is the rational design and use of potent and specific GPCR antagonist pepducins based on GPCR regions such as the third intracellular loop and adjacent regions.

No. of Pages: 77 No. of Claims: 34

(21) Application No.350/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application: 17/02/2014 (43) Publication Date: 11/04/2014

## (54) Title of the invention: ORGANIC SEMICONDUCTORS

(51) International :C07D495/22,C08G61/12,H01B1/12

classification

(31) Priority Document No :11005901.1 (32) Priority Date :19/07/2011

(33) Name of priority country: EPO

(86) International :PCT/EP2012/002625

Application No :21/06/2012 Filing Date

(87) International Publication :WO 2013/010614

(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)MERCK PATENT GMBH

Address of Applicant :Frankfurter Strasse 250, 64293

Darmstadt, GERMANY (72) Name of Inventor: 1) Changsheng WANG

2)Steven TIERNEY 3)Mansoor D'LAVARI

4)Lana NANSON

### (57) Abstract:

The invention relates to novel organic semiconducting oligomers or polymers containing dithieno[2,3-d:2,3-d]-s-indaceno[1,2-b:5,6b] dithiophene units, methods for their preparation and educts or intermediates used therein, polymers, blends, mixtures and formulations containing them, the use of the oligomers, polymers, blends, mixtures and formulations as semiconductor in organic electronic (OE) devices, especially in organic photovoltaic (OPV) devices, and to OE and OPV devices comprising these oligomers, polymers, blends, mixtures or formulations.

No. of Pages: 107 No. of Claims: 22

(21) Application No.3644/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : EPOXIDISED NATURAL RUBBER BASED BLEND WITH REVERSIBLE ELECTRICAL BEHAVIOUR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C08K3/04 :PI2011002656 :10/06/2011 :Malaysia :PCT/MY2012/000117 :08/06/2012 :WO 2012/169874 :NA :NA	(71)Name of Applicant:  1)LEMBAGA GETAH MALAYSIA  Address of Applicant: Tingkat 17 & 18 Bangunan Getah Asli (Menara) 148 Jalan Ampang Kuala Lumpur 50450 Malaysia (72)Name of Inventor:  1)KOK CHONG Yong
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Epoxidised natural rubber [ENR] based vulcanised blends with two different types of electrical conductive filler (i.e. conductive grade carbon black and intrinsically electrical conductive polymer) may be produced respectively by using either internal mechanical mixing method or open milling method or the combination of the two methods. All these ENR based vulcanised blends show high consistent reversible electrical behaviour under the tensile straining process. They also exhibit useful mechanical properties with tensile strengths up to 28.0 MPa elongations at break up to 800.0 % and Dunlop rebound resiliencies up to 55.0 %. The lower the rebound resilience the better the damping property and shock absorption ability for the ENR based vulcanised blends. As a result these ENR based vulcanised blends are ideal to be used for manufacturing flexible sensors that may correspond to the tensile straining process.

No. of Pages: 26 No. of Claims: 28

(21) Application No.3648/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 12/12/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: APPARATUS AND METHOD FOR EYE SURGERY

(51) International classification	:A61F9/008	(71)Name of Applicant :
(31) Priority Document No	:NA	1)WAVELIGHT GMBH
(32) Priority Date	:NA	Address of Applicant : Am Wolfsmantel 5 91058 Erlangen
(33) Name of priority country	:NA	Germany
(86) International Application No	:PCT/EP2011/003154	(72)Name of Inventor:
Filing Date	:27/06/2011	1)VOGLER Klaus
(87) International Publication No	:WO 2013/000487	2)DONITZKY Christof
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

There is proposed an apparatus for eye surgery which comprises a stand (24) having a stand base (32) that is movable or realized for mounting on a wall or ceiling and having a stand arm arrangement (34 36) that is manually adjustable at least partially relative to the stand base an operation microscope (38) being attached to the stand arm arrangement. Further the eye surgery apparatus comprises a laser appliance which provides pulsed focussed laser radiation having radiation properties suited to the application of incisions in the human eye (14). The laser appliance comprises a laser source (20) and a laser treatment head (26) that is attached to the stand arm arrangement (34 36) and emits the laser radiation a flexible transmission fibre (22) or a jointed beam transport arm being provided for the purpose of transporting the laser radiation to the laser treatment head. The laser treatment head (26) is positioned or positionable in an observation beam path of the operation microscope (38) and provides a passage (52) for an observation beam going along the observation beam path. According to one embodiment the laser treatment head (26) can be moved out of a position of use in which it is positioned over the eye (14) and under the operation microscope (38) into a non use position in which it is at a distance from the working region of the operating physician (40) and the latter through the operation microscope (38) has a direct view of the eye (14) to be treated.

No. of Pages: 27 No. of Claims: 11

(21) Application No.3522/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/11/2013 (43) Publication Date : 11/04/2014

(54) Title of the invention: METHOD AND APPARATUS FOR MONITORING AND THEFT PREVENTION

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:H04W4/00 :61/485418 :12/05/2011 :U.S.A. :PCT/EP2012/051953 :06/02/2012 :WO 2012/152454 :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) Address of Applicant: S 164 83 Stockholm Sweden (72)Name of Inventor: 1)BERGENWALL Henrik
Number Filing Date	:NA	
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

There is provided a device comprising a mobile broadband module 101) comprising radio communication means. The device further comprises at least a first subscriber identity module SIM 102 1) for providing user domain services and at least a second subscriber identity module SIM 102 N; 102N) for providing service domain services. The second SIM is isolated from an end user of the device. According to an embodiment the first SIM 102 1) is associated with the end user U) of the device wherein the end user may be associated with a first identity and wherein the second SIM 102 N; 102 N) is associated with a service provider wherein the service provider being associated with a second identity. A method comprising the steps of identifying which of the first and the second communication paths (106 1; 107 1; 106 N; 107 N) the command is issued from continuing (206) with a command or discontinuing (207) with a command in dependence on the identified path such that the end user is not able to perform operation on to access the isolated second SIM is also provided for the device.

No. of Pages: 33 No. of Claims: 18

(21) Application No.3523/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :02/12/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: DISCONTINUOUS CENTRIFUGE COMPRISING A SCRAPER FOR SCRAPING AWAY A **PRODUCT**

(51) International classification: B04B3/00,B04B11/05,B04B11/08 (71) Name of Applicant:

:WO 2013/076074

:10 2011 119 265.8 (31) Priority Document No (32) Priority Date :24/11/2011

(33) Name of priority country :Germany (86) International Application

:PCT/EP2012/073092 No

:20/11/2012 Filing Date

(87) International Publication

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

(62) Divisional to Application :NA Number :NA

Filing Date

1)BMA BRAUNSCHWEIGISCHE MASCHINENBAUANSTALT AG

Address of Applicant : Am Alten Bahnhof 5 38122

Braunschweig Germany (72)Name of Inventor:

1)WESTENDARP Hans Heinrich

2)SPANGENBERG Dirk

## (57) Abstract:

A discontinuous centrifuge comprises a rotatable centrifuge drum (10) that includes a driving spindle (11) a jacket (13) and a bottom (15). A hub (30) of the centrifuge drum (10) has multiple arms (31) for indirectly or directly connecting the jacket (13) of the centrifuge drum (10) to the driving spindle (11) of the centrifuge drum (10). A scraper (20) is used for scraping a product (14) off the inner wall of the jacket (13) of the rotatable centrifuge drum (10). The scraper (20) includes an element (22) that can pivot about an axis running parallel to the axis of rotation of the centrifuge drum (10). Said element (22) has a blade which extends along nearly the entire height of the centrifuge drum (10) and is in contact with the product (14) after pivoting. The scraper (20) is designed to be immobile in the vertical direction. The arms (31) of the hub (30) have top surfaces (32) that lie below the bottom (15) of the drum. The scraper (20) is mounted separately from the centrifuge drum (10) which is mounted in an oscillating manner.

No. of Pages: 22 No. of Claims: 9

(21) Application No.3671/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application:12/12/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: A CONTROL METHOD IN A NETWORK

:WO 2012/177217

(51) International classification: H04L12/28, H04B3/54, H04L29/08 (71) Name of Applicant:

(31) Priority Document No :11505864 :23/06/2011 (32) Priority Date

(33) Name of priority country: Sweden

(86) International Application :PCT/SE2012/050697

No :21/06/2012

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)ZOLIEX AB

Address of Applicant :Box 1118 SE 181 22 Lidingö Sweden

(72)Name of Inventor: 1)MERKEL Harald

2)HEROLF Per 3)MANGOLD Stephan

(57) Abstract:

The present invention relates to a method for controlling communication in a network comprising a plurality of interconnected network nodes each network node comprises a processor and a memory in which a unique identity is stored; a sensor having at least two states; and an actuator performing functions in response to received signals. The method comprises: forming a relationship between a primary network node to which a first sensor is connected and at least one secondary network node to which one or more actuators are connected to establish a link there between. The primary and secondary network nodes are one of the plurality of interconnected network nodes; storing information of the link in the memory of each secondary network node; and controlling the one or more actuators. This is achieved by: transmitting a message from the primary network node which is generated when the primary network node detects a change in state of the first sensor; receiving the message at each secondary network node; and performing a function in one or more actuators connected to each secondary network node in response to the received message.

No. of Pages: 28 No. of Claims: 8

(21) Application No.3588/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/12/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: ALTERNATOR WITH VOLTAGE REGULATION

(51) International classification :H02P9/10,H02P9/30,H02H7/06 (71)Name of Applicant :

(31) Priority Document No :11 55211

(32) Priority Date :15/06/2011

(33) Name of priority country :France

(86) International Application No: PCT/IB2012/052969 Filing Date

:12/06/2012 (87) International Publication No: WO 2012/172486

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

:NA Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)MOTEURS LEROY SOMER

Address of Applicant :Boulevard Marcellin Leroy CS10015 F

16000 Angouleme France (72)Name of Inventor: 1)MOUNI Emile

2)MOSER Samuel

## (57) Abstract:

The present invention relates to an alternator (1) to be electrically connected to a load the alternator comprising: a rotor comprising: a rotary field (4) an excitation winding (2a) a dissipative component (20) and a switchover system (11) allowing the rotary field (4) to be connected selectively to the excitation winding (2a) or to the dissipative component (20) and a controller (13) controlling the switchover system (11) so as to regulate the current in the rotary field (4) and in response to a reduction in the load (8) applied to the alternator (1) connects the dissipative component (20) to the rotary field (4) to dissipate the inductive energy that has built up in the rotary field.

No. of Pages: 21 No. of Claims: 22

(21) Application No.3589/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD AND APPARATUS FOR PROVIDING CHARACTER INPUT INTERFACE

(51) International classification :G06F3/02,G06F3/041,G06F3/048 (71) Name of Applicant :

:1020110055955 (31) Priority Document No (32) Priority Date :10/06/2011

(33) Name of priority country :Republic of Korea (86) International Application

:PCT/KR2012/003332 No :30/04/2012

Filing Date (87) International Publication

:WO 2012/169730

(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)PARK Sung Wook 2)PARK Se Hwan

3)KIM Ji Hoon 4)LEE Ji Hoon

#### (57) Abstract:

A method and an apparatus for providing a character input interface are provided. The method for providing a character input interface in a terminal having a touchscreen includes simultaneously displaying a first keyboard on a first region and a second keyboard including second keyboard language selection keys on a second region by the touchscreen in a character inputting mode; and changing a language of the second keyboard to a language corresponding to a second touched keyboard language selection key touched while maintaining a language of the first keyboard when input touching the second keyboard language key is received.

No. of Pages: 32 No. of Claims: 15

(21) Application No.359/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :01/04/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: ACIDIC DIALYSIS CONCENTRATE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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	(71)Name of Applicant:  1)MANFRED VÖLKER  Address of Applicant: MEISENWEG 1,63825  BLANKENBACH, GERMANY (72)Name of Inventor:  1)MANFRED VÖLKER
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The precursor of an acidic dialysis concentrate is characterized in that two separately provided partial concentrates are formed from the constituents of the acidic dialysis concentrate, wherein only the one partial concentrate contains glucose, preferably glucose monohydrate, while the other partial concentrate comprises other constituents needed for the acidic dialysis concentrate.

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

(21) Application No.3590/KOLNP/2013 A

Address of Applicant :P.O. Box 11 24959 Tefen Israel

(71)Name of Applicant:

(72)Name of Inventor:

1)ISCAR LTD.

1)HECHT Gil

(19) INDIA

(22) Date of filing of Application :07/12/2013 (43) Publication Date: 11/04/2014

(54) Title of the invention: ADJUSTABLE CUTTING TOOL

(51) International :B23B27/16,B23B29/04,B23B29/22

classification

(31) Priority Document No

:61/511836 :26/07/2011

(32) Priority Date

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

(86) International Application :PCT/IL2012/050239

No

Filing Date

:09/07/2012

(87) International Publication :WO 2013/014666

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

:NA

Filing Date

:NA

(62) Divisional to Application:NA Number

Filing Date

:NA

## (57) Abstract:

A cutting tool (20) has a cutting insert (22) a tool holder (24) and an adjustment member (26). The tool holder (24) includes an insert holder portion (30) and a shank portion the insert holder portion (30) being rigidly fixed to the shank portion. The cutting insert (22) is removably secured to the insert holder portion (30) by a fastener at a cutting position in which the operative cutting portion (28) encounters a workpiece (36) at an insert cutting angle (a). The adjustment member (26) is non threadingly retained on the insert holder portion (30) and operatively connected to the cutting insert (22). Actuation of the adjustment member (26) causes an increase or decrease of the insert cutting angle (a).

No. of Pages: 24 No. of Claims: 25

(21) Application No.3591/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application:07/12/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD AND DEVICE FOR REPORTING MEASUREMENT REPORTS OF NEIGHBOR 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>	:H04W24/10 :201110118548.2 :09/05/2011 :China :PCT/CN2012/075258 :09/05/2012 :WO 2012/152220 :NA :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD. Address of Applicant: Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor: 1)FANG Ming 2)YU Yongjun 3)WANG Jiyong
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## (57) Abstract:

The embodiments of the present invention provide a method and device for reporting measurement reports of neighbor cells. The method comprises: receiving the measurement reporting offset in a 3 bit reported value manner sent from a network; in a 6 bit reported value mapping manner mapping the measurement reporting offset to a 6 bit reported value measurement reporting threshold which is to be used as the measurement reporting threshold for rating the measurement values. The embodiments of the present invention map the measurement reporting offset in a 3 bit reported value manner to a mapped value in a 6 bit reported value manner and use the mapped value as the measurement reporting threshold when rating the measurement values in the period of reporting the measurement report therefore the rated values needed in reporting the measurement report can be obtained and the measurement reports of neighbor cells can be reported effectively.

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

(21) Application No.3439/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date: 11/04/2014

# (54) Title of the invention: CELLULOSE HYDROLYSIS WITH PH ADJUSTMENT

:NA

:NA

:C07H3/02,C07H1/08,C08B1/00 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/482465 1) RENMATIX INC. (32) Priority Date :04/05/2011 Address of Applicant :660 Allendale Road King Of Prussia PA 19406 U.S.A. (33) Name of priority country :U.S.A. (86) International Application No:PCT/US2012/036612 (72)Name of Inventor: Filing Date :04/05/2012 1)TAO Zhi (87) International Publication No: WO 2012/151536 (61) Patent of Addition to :NA **Application Number** :NA Filing Date

## (57) Abstract:

Filing Date

Number

Methods are disclosed for controlling the rate of cellulose hydrolysis and reducing the rate of glucose degradation by adjusting the pH during cellulose hydrolysis.

No. of Pages: 37 No. of Claims: 34

(62) Divisional to Application

(21) Application No.3562/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/12/2013

(43) Publication Date: 11/04/2014

(54) Title of the invention: METHOD AND STEAM POWER PLANT COMPRISING AN AUXILIARY STEAM GENERATOR USED AS AN ADDITIONAL FREQUENCY REGULATION MEASURE AND A PRIMARY AND/OR SECONDARY REGULATION MEASURE

(51) International classification: F01K3/24,F01K13/02,F22B31/04 (71)Name of Applicant:

:WO 2013/000838

(31) Priority Document No :102011078205.2

(32) Priority Date :28/06/2011

(33) Name of priority country :Germany (86) International Application

:PCT/EP2012/062148 :22/06/2012

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) SIEMENS AKTIENGESELLSCHAFT

Address of Applicant: Wittelsbacherplatz 2 80333 München

Germany

(72)Name of Inventor:

1)WIESENMÜLLER Wolfgang

#### (57) Abstract:

The invention relates to a method for the immediate rapid and/or temporary increase in output of a steam power plant (1) in particular a coal fired power plant and to a steam power plant (1) having a water steam circuit. The steam power plant (1) comprises a water steam circuit a turbine (10) arranged in the water steam circuit and an auxiliary steam generator (80) by which auxiliary steam consumers (83) are supplied with auxiliary steam (81) when the steam power plant (1) is started and/or shut down. According to the invention and upon a power demand to the steam power plant (1) outside the period of starting or shutting down the auxiliary steam (81) is fed from the auxiliary steam generator (80) into the water steam circuit of the steam power plant (1) the turbine (10) of the steam power plant (1) is thus supplied with additional steam and the output of the steam power plant (1) is immediately rapidly and/or temporarily increased.

No. of Pages: 44 No. of Claims: 11

(21) Application No.3697/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/12/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: STEAM TURBINE HOUSING

(51) International :F01D25/24,F01D25/28,F01D25/30

classification

(31) Priority Document No :11174163.3 (32) Priority Date :15/07/2011

(33) Name of priority country: EPO

(86) International Application :PCT/EP2012/061264

No :14/06/2012

Filing Date

(87) International Publication: WO 2013/010727

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

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1) SIEMENS AKTIENGESELLSCHAFT

Address of Applicant: Wittelsbacherplatz 2 80333 München

Germany

(72) Name of Inventor: 1)GAIDA Andre 2)KONYA Zsolt 3)KUHN Martin

4)SPERLA Frank

(57) Abstract:

A steam turbine housing has a housing wall (2) to the inner side of which is attached a stiffening tub (4) which has two encircling inner webs (7, 8) which are arranged axially adjacent to one another and which project radially inward from the housing wall (2) between which inner webs running parallel and axially centrally there is attached to the inner side of the housing wall (2) a central web (16) the radially inner edge (34) of which is straight such that said central web abuts with the longitudinal ends thereof against the housing wall thereby defining the circumferential extent (18) of the central web (16) wherein at the radially inner edge (34) of the central web (16) said central web forks in a Y shaped manner inward into two transition webs (21, 22) which extend in each case to and merge into the adjacent inner web (7 8) such that the inner webs (7, 8) are fastened directly to the housing wall (2) outside the circumferential extent (15) of the transition webs (21, 22) and are fastened to the housing wall (2) via the transition webs (21, 22) and the central web (16) within the circumferential extent (15) of the transition webs (21, 22).

No. of Pages: 25 No. of Claims: 12

(21) Application No.3699/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application:13/12/2013 (43) Publication Date: 11/04/2014

(54) Title of the invention: SECURITY THREAD

(51) International :D21H21/42,B42D15/00,B42D15/10

classification

(31) Priority Document No :FR1155529 (32) Priority Date :23/06/2011

(33) Name of priority :France country

(86) International :PCT/IB2012/053175

Application No :22/06/2012 Filing Date

(87) International Publication: WO 2012/176169

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)ARJOWIGGINS SECURITY

Address of Applicant: 32 avenue Pierre Grenier 92100

Boulogne Billancourt France (72)Name of Inventor: 1)CAMUS Michel

2)DOUBLET Pierre

(57) Abstract:

The present invention relates to a security thread (3) to be incorporated into a security document comprising at least two zones (31, 32) located respectively on either side of a separation line extending longitudinally along the thread (3) a first optically variable security element (16) in the first zone (31) and a second optically variable security element (17) in the second zone (32) the first and second elements both being at a distance from the separation line and arranged such that for a first direction of observation the two elements have different appearances from one another and for a second direction of observation different from the first the two elements have on the one hand each changed appearance with respect to their appearance when observed according to the first direction of observation and on the other hand have different appearances from one another.

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

(21) Application No.3420/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: WATER PULSATING DEVICE FOR IRRIGATION 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> </ul>	:14/06/2012 :WO 2013/008110 :NA :NA	(71)Name of Applicant:  1)NETAFIM LTD  Address of Applicant: 10 Derech Hashalom 67892 Tel Aviv Israel (72)Name of Inventor:  1)KEREN Ron
	:NA :NA :NA	

# (57) Abstract:

A pulsating device 10 has a chamber 18 for receiving liquid entering the device 10 and gas 26 that that occupies an initial volume in the chamber 18. The liquid entering the chamber 18 compresses the gas 26 and decreases the volume that the gas 26 occupies in the chamber 18 and increases the pressure in the chamber 18. A valve 16 of the device 10 opens above a first threshold pressure to begin a pulse and then closes below a second threshold pressure Pc to end the pulse. Also the device 10 has an outlet gate 28 that permits liquid in the chamber 18 to exit the chamber 18 as long as the pressure in the chamber 18 at the outlet gate 28 is above zero.

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

(21) Application No.3423/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 21/11/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: GLYCOPROTEIN COMPOSITION WITH LOW RESIDUAL SOLVENT LEVEL AND PREPARATION METHOD AND USE THEREOF

(51) International :A61K38/24,A61K38/00,C07K14/59

classification (31) Priority Document No  $:\!201110102073.8$ :22/04/2011 (32) Priority Date

(33) Name of priority

:China country

(86) International :PCT/CN2012/074425

Application No :20/04/2012 Filing Date

(87) International Publication: WO 2012/142961

(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 TECHWELL BIOPHARMACEUTICAL

CO. LTD

Address of Applicant :No. 4258 Jindu Road Shanghai 201108

China

(72) Name of Inventor:

1)LI Yong 2)JI Bin

3)JI Xiaoming

#### (57) Abstract:

Disclosed are a glycoprotein composition with low residual solvent level and preparation method thereof the organic solvent content of the glycoprotein composition is no more than 0.5%; the method comprising the steps of: (a) vacuum drying the precipitate of a glycoprotein composition and an aqueous system together at 0 25°C; (b) continue vacuum drying after removing the aqueous system and obtaining a glycoprotein composition with low residual solvent level.

No. of Pages: 29 No. of Claims: 23

(21) Application No.3701/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/12/2013 (43) Publication Date: 11/04/2014

#### (54) Title of the invention: MULTILAYER MECHANICAL PARKING SYSTEM

:E04H6/34,E04H6/08 (51) International classification (71)Name of Applicant: (31) Priority Document No :1020110083281 1)BAEK Yun Kang (32) Priority Date :22/08/2011 Address of Applicant :24 Nambusunhwan ro 105ga gil Guro gu Seoul 152 801 Republic of Korea (33) Name of priority country :Republic of Korea :PCT/KR2012/006686 (72)Name of Inventor : (86) International Application No Filing Date :22/08/2012 1)BAEK Yun Kang (87) International Publication No :WO 2013/028014 (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 multilayer mechanical parking system and more particularly to a novel parking system in which a mechanical parking system is unitized to allow for easy installation and maintenance. To this end the multilayer mechanical parking system of the present invention comprises: a vehicle loading unit which has in the lower portion thereof a conveyor belt type transfer structure capable of conveying in left and right directions a vehicle loaded thereon; a vehicle transfer unit which elevates in the vertical direction a vehicle loaded thereon to be parked; a control unit which controls the horizontal and vertical movements of the vehicle loading unit and the vehicle transfer unit and an entry and exit of the vehicle; and a collapsible multilayer elevator (5000) including an entry and exit control unit (A) for controlling the entry and exit and a horizontal movement operation of the vehicle a horizontal movement and loading unit (B) connected to an output shaft of the entry and exit control unit (A) so as to horizontally move the loaded parked vehicle to left and right vehicle loading units (3000) an inter layer distance adjusting unit (C) which has a vertical distance adjusting bar (805) installed at an extended portion protruding from the front surface of the entry and exit control unit (A) so as to adjust the distance between the entry and exit control unit (A) and the horizontal movement and loading units (B) arranged in multiple layers during vertical elevation a vertical elevation adjusting unit (D) linked to the extended portion of the entry and exit control unit (A) located at the top of the inter layer distance adjusting unit (C) so as to enable the vertical elevation of the collapsible multilayer elevator (5000) and a travel adjusting unit (E) which receives power from the vertical elevation adjusting unit (D) so as to enable the horizontal forward and backward movement of the collapsible multilayer elevator (5000). The vehicle loading units (3000) which have bottom surfaces provided with horizontally movable conveyor belt type transfer devices are symmetrically arranged and a vertical and horizontal entry and exit unit (1500) is arranged to enable the collapsible multilayer elevator (5000) to move in horizontal and vertical directions between the symmetrically arranged vehicle loading units (3000).

No. of Pages: 46 No. of Claims: 11

(21) Application No.3482/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 27/11/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : METHOD DEVICE AND SYSTEM FOR DISTRIBUTING AND RELEASING SATELLITE BANDWIDTHS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:31/05/2011 :WO 2011/157140 :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang District Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)ZHU Xing 2)ZOU Chenggang 3)SI Weifeng
Filing Date	:NA	

#### (57) Abstract:

The present invention which pertains to the field of communications provides a method device and system for distributing and releasing satellite bandwidths and can perform a timely distributing and releasing on satellite bandwidths thereby ensuring efficient usage of the bandwidths and saving bandwidth resources. The method for distributing bandwidths includes that: during the signaling interaction process of a service initiation before the establishment of a user plane a bandwidth distribution request directing to the service is sent to the satellite device connected through an interface so as to distribute satellite bandwidths for the service. The method for releasing bandwidths includes that: during the signaling interaction process of a service ending after the release of the user plane a bandwidth release request directing to the service is sent to the satellite device connected through the interface so as to release the distributing satellite bandwidths for the service. The present invention is used for distributing and releasing satellite bandwidths.

No. of Pages: 44 No. of Claims: 13

(21) Application No.3483/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 27/11/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : METHOD AND DEVICE FOR REVERSE DIRECTION PROTOCOL TRANSMISSION IN WIRELESS LOCAL AREA NETWORK

#### (57) Abstract:

Embodiments of the present invention relate to communication technology and relate specifically to a method and device for reverse direction protocol transmission in a wireless local area network. The method for reverse direction protocol transmission of multiuser data comprises: within a transmission opportunity (TXOP) of a first station if the TXOP has not expired when the first station has completed transmitting data to an access point (AP) the AP acquiring the TXOP by using the first station as a reverse direction protocol initiator to grant the remainder of the TXOP to the AP for the acquisition; and the AP transmitting within the TXOP second data to at least two stations where the at least two stations comprise the first station.

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

(21) Application No.3620/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application:11/12/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: DISCHARGE DEVICE FOR MEDIA

(51) International :A61M15/00,H02K7/116,H02K7/18

classification

(31) Priority Document No :10 2011 079 949.4 (32) Priority Date :27/07/2011 (33) Name of priority country: Germany

(86) International Application :PCT/EP2012/061519

No :15/06/2012 Filing Date

(87) International Publication: WO 2013/013890

(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)APTAR RADOLFZELL GMBH

Address of Applicant :Öschlestraße 54 56 78315 Radolfzell

Germany

(72)Name of Inventor: 1)KOHNLE Jörg 2)KÖRNER Joachim

The invention relates to a discharge device (10) having a housing with two housing sections (20 30) which are mutually movable driven in a lifting manner a discharge opening (23) for discharging a medium and a reservoir (12a) for storing the medium wherein by a manual lifting motion of the housing sections with respect to each other medium can be conveyed from the reservoir (12a) to the discharge opening the discharge device has an electrical load (50) the discharge device has an electromechanical generator (70) for converting the mechanical energy introduced during the actuation into electrical energy for supplying the electrical load and the electromagnetic generator comprises a component (74) which comprises a magnet and a component (72) which comprises a conductor which is connected to the electrical load wherein one of the components (72) is fixed relative to one of the housing sections (30) and one of the components (74) is movable relative to the fixed component (72).

No. of Pages: 29 No. of Claims: 9

(21) Application No.3724/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/12/2013 (43) Publication Date : 11/04/2014

## (54) Title of the invention: OPERATION INTERFACE MANAGEMENT METHOD APPARATUS AND MOBILE TERMINAL

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> </ul>	:16/11/2011	(71)Name of Applicant:  1)HUAWEI DEVICE CO. LTD.  Address of Applicant: Building B2 Huawei Industrial Base Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)ZHANG Xiaopeng
<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 2012/097636 :NA :NA :NA :NA	

# (57) Abstract:

Disclosed are an operation interface management method an apparatus and a mobile terminal. The method comprises: receiving an operation interface call instruction input by a user and generating an operation interface corresponding to the operation interface call instruction; receiving a function item startup instruction input by the user based on the operation interface and starting a function item specified by the function item startup instruction. According to the present invention once the user inputs the operation interface call instruction a corresponding operation interface is generated. The corresponding function item startup instruction may be input according to the operation interface such that a target function item is started promptly accurately and efficiently. Therefore by using a contact dial on a contact operation interface communication with contacts is carried out quickly and conveniently; by using an application program dial on an application program operation interface a corresponding application program is executed quickly and conveniently thus greatly improving user experience. Furthermore the method of generating the contact dial and the application program dial saves desktop space.

No. of Pages: 25 No. of Claims: 16

(21) Application No.3383/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/11/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: NETWORK ACCESS METHOD AND APPARATUS

(51) International classification :H04B7/26, (31) Priority Document No :201110124 (32) Priority Date :05/05/2011 (33) Name of priority country :China (86) International Application No Filing Date :04/05/2012 (87) International Publication No :WO 2012/10 (61) Patent of Addition to Application Number Filing Date :NA :NA  (62) Divisional to Application Number Filing Date :NA	Address of Applicant :129 Samsung ro Yeongtong gu Suwon si Gyeonggi do 443 742 Republic of Korea (72)Name of Inventor :  1)ZHOU Lei
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## (57) Abstract:

A network access method and an apparatus are provided. The Machine to Machine (M2M) terminal in one M2M terminal group determines an access resource according to an identifier of the M2M terminal group which the M2M terminal is a member of and The M2M terminal of the M2M terminal group uses the determined access resource to conduct network access on behalf of the M2M terminal group. The method and apparatus can ensure that numerous M2M terminals can successfully access the network at the same time.

No. of Pages: 21 No. of Claims: 12

(21) Application No.3518/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/11/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: ELECTROLYTE

(51) International :H01G9/038,H01G9/022,H01G9/155 classification

:Australia

:07/05/2012

:NA

:NA

:PCT/AU2012/000480

:WO 2012/151618

(31) Priority Document No :2011901763 :10/05/2011

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

(71)Name of Applicant: 1)CAP XX LIMITED

Address of Applicant :Level 3 685 Pittwater Road Dee Why

New South Wales 2099 Australia

(72)Name of Inventor:

1)BILYK Alexander

2)AITCHISON Phillip Brett 3)LARSEN Allan Godsk 4)NGUYEN John Chi Hung

5)VAN DER LAAK Nicole

#### (57) Abstract:

An electrolyte system suitable for use in an energy storage device (such as a supercapacitor) and energy devices which comprising the electrolyte system which is made up of an ionic liquid such as Li or EMI TFSI and a stabilising amount of a stabilising additive. The stabilising additive preferably contains nitrile and or aromatic (benzene) groups and may be advantageously benzonitrile cinnamonitrile or succinonitrile. The stabilising additive stabilises the energy storage device against ESR rise and/or capacitance loss but does not adversely affect other performance characteristics of the ionic liquid.

No. of Pages: 26 No. of Claims: 62

(21) Application No.3519/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: CRUSHER CRUSHING SHELL AND METHOD OF ATTACHING CRUSHING SHELL

(51) International classification	:B02C2/00	(71)Name of Applicant:
(31) Priority Document No	:11170320.3	1)SANDVIK INTELLECTUAL PROPERTY AB
(32) Priority Date	:17/06/2011	Address of Applicant :S 811 81 Sandviken Sweden
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:PCT/EP2012/059980	1)BELOTSERKOVSKIY Konstantin
Filing Date	:29/05/2012	2)GUNNARSSON Johan
(87) International Publication No	:WO 2012/171778	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1111	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A cone crusher comprises an inner crushing shell (12) supported on a crushing head (14) and clamped thereonto by a retaining arrangement (10) the crushing head (14) being arranged for rotating about a crushing head axis (A). The retaining arrangement (10) comprises a first portion (24) of a threaded joint for self tightening the retaining arrangement (10) said first portion (24) being concentric with said crushing head axis (A) and rigidly joined with the crushing head (14); a first portion (30) of a form fitting engagement arrangement said first portion (30) being rigidly joined with the inner crushing shell (12); and a crushing shell tightener (20) provided with a second portion (22) of said threaded joint and a second portion (26) of said form fitting engagement arrangement said form fitting engagement arrangement rotationally locking the crushing shell tightener (20) to the inner crushing shell (12).

No. of Pages: 31 No. of Claims: 19

(21) Application No.3768/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application:19/12/2013 (43) Publication Date: 11/04/2014

# (54) Title of the invention: COMPOSITIONS AND METHODS FOR EFFICACIOUS AND SAFE DELIVERY OF SIRNA USING SPECIFIC CHITOSAN BASED NANOCOMPLEXES

(51) International :A61K47/36,A61K31/713,A61P3/10

classification (31) Priority Document No

:61/489306

(32) Priority Date

:24/05/2011 (33) Name of priority country:U.S.A.

(86) International

:PCT/CA2012/050342

Application No Filing Date

:24/05/2012

(87) International Publication :WO 2012/159215

No

(61) Patent of Addition to

Application Number

:NA :NA

Filing Date

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

Filing Date

(71)Name of Applicant: 1)POLYVALOR S.E.C.

Address of Applicant :Office 220 3535 Queen Mary Road

Montréal Québec H3V 1H8 Canada

(72)Name of Inventor:

1)MERZOUKI Abderrazzak 2)BUSCHMANN Michael D.

#### (57) Abstract:

There is disclosed a composition and a method for the efficient delivery of a therapeutic RNAi inducing nucleic acid to cells both in vitro and in vivo through specific formulations of a non viral delivery system using chitosans. Particularly the composition contains a nucleic acid and a specific chitosan that has the following physico chemical properties: a number average molecular weight between 5 kDa and 200 kDa a degree of deacetylation between 80% and 95% and a chitosan amine to nucleic acid phosphate ratio below 20.

No. of Pages: 100 No. of Claims: 96

(21) Application No.3769/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application:19/12/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: NOVEL TAB SEAL FOR SEALING A CONTAINER TO BE CLOSED BY A STOPPER OR CAP AND METHOD FOR MANUFACTURING SAME

(51) International :B65D51/20,B65D53/04,B65D77/20

classification

(31) Priority Document No :1157057 (32) Priority Date :01/08/2011 (33) Name of priority country: France

(86) International :PCT/FR2012/050181

Application No :27/01/2012 Filing Date

(87) International Publication :WO 2013/017754

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)MANUFACTURE GENERALE DE JOINTS

Address of Applicant :La Croix du Plan F 69380 Chazay

Dazergues France (72)Name of Inventor: 1)TRIQUET Stéphane

2)BISCHOFF Rémy

(57) Abstract:

The invention relates to a heat sealable seal (1) including a substrate (11) secured to a lid (12) by means of a temporary adhesive (20) said lid (12) being provided with a tab (13) the entire surface of which is folded once onto the surface of the lid in contact with the corresponding surface of the substrate the lid including a complex (14) which in turn includes a reinforcing film (16) and a sheet made of a conductive material (17) onto the inner surface of which a heat sealable film (15) is applied the temporary adhesive (20) being applied onto the entire surface of the lid once the tab (13) has been folded characterised in that the complex (14) has over the entirety of the body thereof a notch (10) from which the tab (13) projects the fold (7) formed by the tab (13) once the latter has been folded having a length (12) that is shorter than the length (L2) of the notch. The invention also relates to a method for manufacturing the seal.

No. of Pages: 21 No. of Claims: 13

(21) Application No.3499/KOLNP/2013 A

(19) INDIA

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

(43) Publication Date: 11/04/2014

#### (54) Title of the invention: TRAMP MATERIAL INDICATION

(51) International classification	:B02C2/04,B02C25/00	(71)Name of Applicant:
(31) Priority Document No	:11170323.7	1)SANDVIK INTELLECTUAL PROPERTY AB
(32) Priority Date	:17/06/2011	Address of Applicant :S 811 81 Sandviken Sweden
(33) Name of priority country	:EPO	(72)Name of Inventor:
(86) International Application No	:PCT/EP2012/059975	1)BELOTSERKOVSKIY Konstantin
Filing Date	:29/05/2012	2)SHIRKIN Mikhail
(87) International Publication No	:WO 2012/171775	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A method for detecting tramp material in an inertia cone crusher comprising an outer crushing shell and an inner crushing shell said inner and outer shells forming between them a crushing chamber the inner crushing shell being supported on a crushing head said crushing head being rotatably connected to an unbalance bushing which is arranged to be rotated by a drive shaft said unbalance bushing being provided with an unbalance weight for tilting the unbalance bushing when it is rotated such that the central axis (S) of the crushing head will when the unbalance bushing is rotated by the drive shaft and tilted by the unbalance weight gyrate about a gyration axis (G) the inner crushing shell thereby approaching the outer crushing shell for crushing material in the crushing chamber comprises measuring at least one of a position and a motion of the crushing head; obtaining based on said measurement a gyration value said gyration value being indicative of at least one of an inclination (B) of the gyration axis (G) in relation to a reference line (C) a shape of the gyrating motion of the central axis of the crushing head an amplitude (a) of the gyrating motion of the central axis (S) of the crushing head (16) in relation to a reference line (C); comparing said gyration value with a gyration reference value; and determining based on said comparison whether to issue a tramp material warning signal indicating the presence of tramp material in the crusher.

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

(21) Application No.3753/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :18/12/2013 (43) Publication Date : 11/04/2014

# (54) Title of the invention: METHODS AND APPARATUS FOR MULTIPLE PACKET DATA CONNECTIONS

(51) International classification	:H04W76/02	(71)Name of Applicant:
(31) Priority Document No	:61/502459	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:29/06/2011	Address of Applicant :SE 164 83 Stockholm Sweden
(33) Name of priority country	:U.S.A.	(72)Name of Inventor:
(86) International Application No	:PCT/EP2012/062541	1)SEDLACEK Ivo
Filing Date	:28/06/2012	2)QIANG Zu
(87) International Publication No	:WO 2013/000991	3)HEDMAN Peter
(61) Patent of Addition to Application	:NA	4)ROELAND Dinand
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A network can handle access attempts by a mix of user equipments (UEs) that do and do not support multiple packet data network connections and do and do not support Internet Protocol version 6 (IPv6) and access attempts from networks that do and do not support multiple PDN connections. A method of operating a Trusted Non 3GPP Access network with a 3GPP network involves an authentication authorization and accounting (AAA) proxy in the Trusted Non 3GPP Access network and a UE that supports multiple PDN connections with the AAA proxy sending an indication to the UE that the network supports multiple PDN connections.

No. of Pages: 25 No. of Claims: 18

(21) Application No.3754/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/12/2013 (43) Publication Date: 11/04/2014

# (54) Title of the invention: MILLING TOOL WITH RECESSED CUTTING EDGE

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:B23C5/10 :11172316.9 :01/07/2011 :EPO :PCT/EP2012/062469 :27/06/2012 :WO 2013/004568 :NA :NA	(71)Name of Applicant:  1)SECO TOOLS AB  Address of Applicant: S 737 82 Fagersta Sweden (72)Name of Inventor:  1)VAN DER BOOGARD Wilco
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

A milling tool (21) includes a tool body (23) having a longitudinal axis (A) and a first end (25) a plurality of flutes (27) provided in the tool body (23) and extending to the first end (25) of the tool body (23) and a plurality of cutting edges (29r 29u) each cutting edge being associated with a respective one of the plurality of flutes (27) each cutting edge being substantially identical to each other one of the plurality of cutting edges except that at least one but not all of the cutting edges is a recessed cutting edge (29r) and at least one but not all of the cutting edges is a non recessed cutting edge (29u) each recessed cutting edge (29r) beginning at a non zero distance from the first end (25) of the tool body (23) and each non recessed cutting edge (29u) extending to the first end (25) of the tool body (23).

No. of Pages: 12 No. of Claims: 11

(21) Application No.3755/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application:19/12/2013 (43) Publication Date: 11/04/2014

# (54) Title of the invention: STABLE CRYSTAL MODIFICATIONS OF DOTAP CHLORIDE

(51) International classification	:C07C219/08	(71)Name of Applicant :
(31) Priority Document No	:61/488428	1)MERCK PATENT GMBH
(32) Priority Date	:20/05/2011	Address of Applicant :Frankfurter Strasse 250 64293
(33) Name of priority country	:U.S.A.	Darmstadt Germany
(86) International Application No	:PCT/EP2012/001882	(72)Name of Inventor:
Filing Date	:02/05/2012	1)PLATSCHER Michael Wilhelm
(87) International Publication No	:WO 2012/159704	2)HEDINGER Alfred
(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 crystal modifications of racemic (2R S) and enantiomerically pure (2R) resp. (2S) DOTAP chloride to processes for the preparation thereof and to the use thereof for the preparation of pharmaceutical compositions.

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

(21) Application No.3281/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: WHEEL MOUNTED BRAKE DISKS

(51) International classification	:F16D65/12	(71)Name of Applicant:
(31) Priority Document No	:10 2011 102 518.2	1)KNORR BREMSE SYSTEME FÜR
(32) Priority Date	:26/05/2011	SCHIENENFAHRZEUGE GMBH
(33) Name of priority country	:Germany	Address of Applicant :Moosacher Str. 80 80809 München
(86) International Application No	:PCT/EP2012/059599	Germany
Filing Date	:23/05/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2012/160094	1)NIESSNER Matthias
(61) Patent of Addition to Application	:NA	2)SEIFERT Peter
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The invention relates to wheel mounted brake disks which are arranged on both sides of a wheel base (1) of a railway wheel and are fastened by means of through bolts (3) the bolt head (4) of every through bolt (3) lying in a countersink (6) of one wheel mounted brake disk (2) and a nut (5) screwed onto the through bolt (3) lying in a countersink (6) of the other wheel mounted brake disk (2) each resting either directly or indirectly on the bottom of the countersink. The wheel mounted brake disks of the invention are designed such that every countersink (6) has an undercut portion (8) that extends down to the bottom.

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

(21) Application No.3400/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 19/11/2013 (43) Publication Date: 11/04/2014

# (54) Title of the invention: DETACHABLE ELECTRIC APPARATUS FOR MOVING A PATIENT BED

:A61G7/018,A61G7/05 (71)Name of Applicant : (51) International classification (31) Priority Document No :1020110043201 1)CHOI Young Min (32) Priority Date :06/05/2011 Address of Applicant: 109 301 Daewoo Apt. 755 2 Wolgye (33) Name of priority country :Republic of Korea dong Gwangsan gu Gwangju 506 768 Republic of Korea (86) International Application No :PCT/KR2012/003481 (72)Name of Inventor: Filing Date :03/05/2012 1)CHOI Young Min (87) International Publication No :WO 2012/153939 (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 detachable electric apparatus for moving a patient bed and more particularly to a detachable electric apparatus for moving a patient bed which is simply attached to a handle of an existing manual bed without remodeling modifying or damaging the manual bed so as to enable a patient to easily adjust the heights of a back part and of a leg supporting part. For this purpose the electric moving apparatus is installed on a manual patient bed so as to rotate at least one rotary shaft disposed on the lower portion of the manual bed thereby adjusting the angle of a back part or of a leg supporting part and comprises: a handle case having an accommodating space in which a handle connected to said rotary shaft is accommodated the handle case being divided into two or more parts so as to adjust the accommodating space according to the volume of the accommodated handle thereby forming the accommodating space therein when said two or more parts are coupled together; a coupling means provided in said handle case so as to maintain the accommodated state of the handle accommodated in the accommodating space the coupling unit being coupled to an opened portion so as to prevent the handle from escaping to the outside; a housing to the side of which said handle case is coupled to one side of which a frame of the manual bed is coupled using a connection means and to which is coupled a power means generating a driving force for rotating the handle case; and a manipulator for enabling the patient to control said power unit the manipulator being connected in a wired or wireless manner to the power unit so as to adjust the angle of the back part or of the leg supporting part.

No. of Pages: 27 No. of Claims: 12

(21) Application No.3814/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/12/2013 (43) Publication Date: 11/04/2014

(54) Title of the invention: TRANSFER SYSTEM

(51) International :B65G54/02,B65G35/08,B65G43/00

classification

(31) Priority Document No :1111 (32) Priority Date :15/06/2011

(33) Name of priority country:

(86) International :PCT/JP2011/063703 Application No

:15/06/2011 Filing Date

(87) International Publication :WO 2012/172657

(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)Kabushiki Kaisha Yaskawa Denki

Address of Applicant :2-1, Kurosaki-Shiroishi, Yahatanishi-ku,

Kitakyushu-shi, Fukuoka 8060004, JAPAN

(72)Name of Inventor:

1)HARA Koji

#### (57) Abstract:

In this transfer system, a subject to be transferred can be accurately transferred by performing highly accurate alignment using: a linear induction motor, which is provided with a stator (4) that is provided with a plurality of primary side coils (3) disposed along a transfer path (2), and a mover (5) that is movably provided along the transfer path (2); first inverters (6), which are provided corresponding to the primary side coils (3) disposed in regions where aligning is necessary, said regions being on the transfer path (2), and which perform vector control with sensors; second inverters (7), which are provided corresponding to the primary side coils (3) disposed in regions where aligning is not necessary, said regions being on the transfer path (2), and which perform V/F control; and a controller (8), which controls power supply to the primary side coils (3) by outputting speed instructions to the first inverters (6) and the second inverters (7), and performs positional control by outputting, to the first inverters (6), speed instructions based on feedback position inputted from a detector (11).

No. of Pages: 29 No. of Claims: 6

(21) Application No.3463/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 27/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: TRANSPORTER

(51) International :B65G47/84,B65G51/03,B67C3/24 classification

:NA

:NA

(31) Priority Document No :10 2011 106 761.6

(32) Priority Date (33) Name of priority country

:05/07/2011 :Germany

:02/06/2012

:PCT/EP2012/002351

:WO 2013/004324

(86) International Application

No

Filing Date

(87) International Publication

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

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)KHS GMBH

Address of Applicant : Juchostraße 20 44143 Dortmund

Germany

(72)Name of Inventor:

1)NIEHR Thomas

2)VORWERK Jürgen

# (57) Abstract:

The invention relates to a transporter for transporting containers (2) along an at least partially linear transport path (3) in an at least single lane container flow and in a transport direction (A) comprising a plurality of container carriers (6) each having at least one container holder (8) which can be moved incrementally or in a timed manner in the transport direction (A) by at least one drive or transport element (7) wherein each container holder (8) is formed by recesses or grooves (9) receiving the containers (2) at a container region (2.2) beneath the container mouths (2.1) of said containers.

No. of Pages: 15 No. of Claims: 12

(21) Application No.3464/KOLNP/2013 A

Address of Applicant: 147 Keystone Drive Montgomeryville

(19) INDIA

(22) Date of filing of Application: 27/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: TOPICAL DNA REPAIR COMPOSITIONS

(51) International classification :A61K8/99,A61K8/14,A61K8/97 (71)Name of Applicant : (31) Priority Document No :61/481123 (32) Priority Date :29/04/2011 (33) Name of priority country :U.S.A. (86) International Application :PCT/US2012/035124 No

:26/04/2012 Filing Date

(87) International Publication No:WO 2012/149110

(61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA (72)Name of Inventor: 1)HAYES Barbara F.

PA 18936 U.S.A.

1)PHOTOMEDEX INC.

## (57) Abstract:

Filing Date

Provided herein are topical compositions for repairing sun damaged skin and topical sunscreen compositions for both preventing and repairing sun damage.

No. of Pages: 93 No. of Claims: 63

(21) Application No.3467/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :26/11/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: SIMPLIFIED ROOTS-TYPE BLOWER

(51) International classification	:F04C2/12,F04C2/08	(71)Name of Applicant:
(31) Priority Document No	:61/492,520	1)EATON CORPORATION
(32) Priority Date	:02/06/2011	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/US2012/040736	(72)Name of Inventor:
Filing Date	:04/06/2012	1)EYBERGEN, William, Nicholas
(87) International Publication No	:WO 2012/167248	2)WILLIAMS, Kelly, Ann
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The present disclosure relates to a simplified roots-type blower having an improved sound signature. The roots-type blower includes a rotor bore housing having a molded, one-piece polymeric construction. The rotor bore housing defines a first rotor bore and a second rotor bore. The rotor bore housing also defines a first bearing pocket corresponding to the first rotor bore and a bearing pocket corresponding to the second rotor bore axis. The rotor bore housing further defining a timing gear chamber.

No. of Pages: 59 No. of Claims: 23

(21) Application No.3806/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: IRON POWDER FOR COATING SEEDS AND IRON POWDER COATED SEEDS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A01C1/06 :2011163829 :27/07/2011 :Japan :PCT/JP2011/073279 :04/10/2011 :WO 2013/014812 :NA :NA	(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)KAWANO Takashi 2)FUJINAGA Masashi
Number		
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

In this iron powder for coating seeds, by means of the mass fraction of iron powder having a particle size of no greater than 45  $\mu$ m being 35-85% exclusive, and the mass fraction of iron powder having a particle size of no greater than 63  $\mu$ m being at least 75%, it is possible to obtain an iron powder that is for coating seeds and that can achieve a coating having low shedding of iron powder not only in a sowing step but also in a transport step, and iron-powder-coated rice seeds coated by the iron powder for coating seeds, and it is possible to obtain an iron powder that is for coating rice seeds and that has a low likelihood of damaging rice seeds and is easily handled, and iron-powder-coated rice seeds coated with the iron powder for coating rice seeds.

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

(21) Application No.3807/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: CONSTRUCTION MACHINE

:E02F9/20,E02F9/22,F02D29/00 (71)Name of Applicant : (51) International classification

(31) Priority Document No :2011194852 (32) Priority Date :07/09/2011

(33) Name of priority country :Japan

(86) International Application No:PCT/JP2012/067492 Filing Date :09/07/2012

(87) International Publication No: WO 2013/035425

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

(62) Divisional to Application :NA Number :NA

Filing Date

1) Hitachi Construction Machinery Co. Ltd.

Address of Applicant: 5 1 Koraku 2 chome Bunkyo ku Tokyo

1128563 Japan

(72)Name of Inventor: 1)YOSHIDA Hajime 2)ISHII Hajime 3)NOGUCHI Syuuhei

## (57) Abstract:

This construction machine is provided with: an engine (10) electronically controlled by a control apparatus (33); a hydraulic motor (24) for travelling which is driven by pressure oil discharged from a hydraulic pump (13); and a travel speed switching member (29) that switches the travel speed by the hydraulic motor (24) to at least the two stages of a low speed and a high speed. The control apparatus (33) is provided with an output decrease determination means that determines whether the engine output is in a decreased state in which a fuel injection amount supplied to the engine (10) is limited, and a low-speed control means that controls the travel speed to be in a low-speed state in which the travel speed is lower than the high speed when the output of the engine (10) is in the decreased state, even when the travel speed switching member (29) is switched to the high speed side.

No. of Pages: 50 No. of Claims: 3

(21) Application No.3573/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/12/2013

(43) Publication Date: 11/04/2014

#### (54) Title of the invention: ANONYMOUS SIGNALLING

(51) International :H04L29/06,G06F21/00,H04L29/08

classification

(31) Priority Document No :61/486509 (32) Priority Date :16/05/2011 (33) Name of priority country: U.S.A.

(86) International Application :PCT/EP2011/064473

No :23/08/2011 Filing Date

(87) International Publication: WO 2012/155994

(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: S 164 83 Stockholm Sweden

(72)Name of Inventor:

1)DANIELSSON FAN Xing

2)PERSSON Patrik 3)YUAN Song 4)PERSSON Per

## (57) Abstract:

A method for facilitating anonymous audio and video communication between at least a first user using a first web browser and at least a second user using a second web browser via a server and a web based system configured to implement the method is provided. The method comprises browsing to the server using the first web browser establishing a signalling channel on the server and creating a first unique identifier for the signalling channel. The first unique identifier may be at least temporarily stored at the server. The first unique identifier is transferred to the second user. The method further comprises browsing to the first unique identifier using the second web browser whereby an anonymous connection is established between the first web browser and the second web browser.

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

(21) Application No.3574/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/12/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: APPARATUS FOR THERAPEUTIC TREATMENT WITH PULSED RESONANT **ELECTROMAGNETIC WAVES**

(51) International classification :A61N1/40,A61N2/02,A61N1/32 (71)Name of Applicant : (31) Priority Document No :TO2011A000527

(32) Priority Date :15/06/2011

(33) Name of priority country :Italy

(86) International Application

No

:PCT/IB2012/053006 :14/06/2012

Filing Date (87) International Publication No:WO 2012/172504

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

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)THERESON S.P.A.

Address of Applicant : Via San Primo 4 I 20121 Milano Italy

(72)Name of Inventor:

1)CETRONI Bruno Massimo

# (57) Abstract:

An apparatus for therapeutic treatment with electromagnetic waves comprising a control circuit (22) configured for generating a signal (26) to be transmitted to an antenna (30) for the generation of electromagnetic waves. The signal (26) comprises a plurality of base pulses grouped in pulse packets and pulse trains where each pulse packet consists of a series of base pulses followed by a first pause and where each pulse train consists of a series of pulse packets followed by a second pause. In particular the control circuit (22) is configured for reversing the polarity of the base pulses after a given time interval.

No. of Pages: 36 No. of Claims: 10

(21) Application No.3575/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/12/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: ADDITIONAL CONTROLLED EXTRACTION FOR A PREHEATER FOR IMPROVING THE PLANT DYNAMICS AND THE FREQUENCY REGULATION IN A STEAM POWER PLANT

(51) International classification :F01K7/22,F01K7/40,F01K13/02 (71)Name of Applicant:

(31) Priority Document No :10 2011 078 193.5

(32) Priority Date :28/06/2011 (33) Name of priority country :Germany

(86) International Application :PCT/EP2012/061278

No

:14/06/2012 Filing Date

(87) International Publication No:WO 2013/000720

(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 München

Germany

(72)Name of Inventor:

1)WIESENMÜLLER Wolfgang

### (57) Abstract:

The invention relates to an extraction method for a preheater of a steam power plant and to a water steam circuit in a steam power plant. According to the invention a higher energetic steam is tapped on a turbine of the steam power plant and is admixed to a lower energetic steam which is tapped on the turbine. The steam mixture of the lower energetic steam and the admixed higher energetic steam is fed to a preheater in particular a high pressure preheater especially a last high pressure preheating stage of the high pressure preheater of the steam power plant particularly for heating feed water flowing through the preheater. By an in particular regulated and/or controlled admixing of the higher energetic steam to the lower energetic steam (controlled extraction) a fast power change can be achieved in the steam power plant particularly in part load operation of the steam power plant by changing the temperature of the lower energetic steam.

No. of Pages: 30 No. of Claims: 15

(21) Application No.3576/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :06/12/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: ASSEMBLY COMPRISING AT LEAST TWO COMPONENTS THAT ARE FIXED TOGETHER

(51) International classification: F16B5/00,B60J5/04,F16B39/284 (71) Name of Applicant: :20 2011 103 327.2

(31) Priority Document No (32) Priority Date :13/07/2011 (33) Name of priority country :Germany

(86) International Application :PCT/EP2012/002871

:07/07/2012 Filing Date

(87) International Publication :WO 2013/007368

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

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

Filing Date

1)BROSE FAHRZEUGTEILE GMBH & CO. KG HALLSTADT

Address of Applicant : Max Brose Straße 2 96103 Hallstadt

Germany

(72)Name of Inventor:

1)KARL Joachim

2)HAMPEL Klaus 3) GERSTLAUER Ralph

### (57) Abstract:

The invention relates to an assembly for a motor vehicle comprising at least a first component (T FA FB) and a second component (FS G) for example a carrier and a guide rail of a window lifter which are fixed together by means of at least one fastening element in this case by a plurality of rivets (N1 N4). A fastening element (N1 N4) engages in two openings (72 82 92; 62; 62) of which one opening respectively is formed in a receiving portion (7.1 7.4; 8.3 8.3 8.4; 9.3 9.4) of the first component (T; FA; FB) and one on a protrusion (6.1 6.4; 6.3 6.4) of the second component (FS; G) wherein a protrusion (6.1 6.4; 6.3 6.4) respectively protrudes in an associated receiving portion (7.1 7.4; 8.3 8.3 8.4; 9.3 9.4) and a flexible or elastic edge section (70 80 90) of a receiving portion (7.17.37.4; 8.38.38.49.39.4) can be shifted in the direction of the associated protrusion (6.16.4; 6.36.4). The at least one edge section (70 80 90) that can be shifted in a flexible manner is designed and provided for compensating manufacturing tolerances such that the two components (T FS; FA G; FB G) automatically align to one another in the area of the flexible edge section (70 80 90) during the fastening process and can form a solid connection as intended wherein the protruding section (6.1 6.4; 6.3 6.4) is locked in the receiving portion by the edge section (70 80 90) which is shifted and pushed against the protruding section (6.1 6.4; 6.3 6.4).

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

(21) Application No.3611/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 10/12/2013 (43) Publication Date: 11/04/2014

### (54) Title of the invention: ELECTRICAL MACHINE AND METHOD FOR OPERATING IT

(51) International classification :H02K 55/00 (31) Priority Document No :10 2011 079 725.4 (32) Priority Date :25/07/2011 (33) Name of priority country :Germany (86) International Application No :PCT/EP2012/064088 Filing Date :18/07/2012 (87) International Publication No :WO 2013/014043 (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) SIEMENS AKTIENGESELLSCHAFT

Address of Applicant: Wittelsbacherplatz 2 80333 München

Germany

(72)Name of Inventor:

1)FRANK Michael

2)FRAUENHOFER Joachim 3)GRUNDMANN Jörn 4)HERKERT Werner 5)KUMMETH Peter

6)NICK Wolfgang 7)SCHMIDT Heinz

8)VAN HASSELT Peter

#### (57) Abstract:

Electrical machine (1) comprising as components a stator (3) and a rotor (4) which can be rotated in relation to the stator (3) wherein the poles (14) of one component in particular of the rotor (4) comprise superconducting coils (6) for generating a magnetic flux wherein at least one high temperature superconducting material block (7, 8, 9) with a heating means (10, 11, 12) which is associated with said high temperature superconducting material block and is designed to temporarily increase the temperature of the high temperature superconducting material block (7, 8, 9) above the critical temperature of the material of the high temperature superconducting material block (7, 8, 9) in the superconducting coil (6) is arranged in the path of the magnetic flux.

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

(21) Application No.3613/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 10/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : CENTRALIZED ADAPTOR ARCHITECTURE FOR POWER AMPLIFIER LINEARIZATIONS IN ADVANCED WIRELESS COMMUNICATION 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> </ul>	:H04L27/36,H03F1/32 :13/164816 :21/06/2011 :U.S.A. :PCT/IB2012/053085 :19/06/2012 :WO 2012/176119 :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)BAI Chunlong 2)SMILEY Russell
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

Embodiments of a centralized predistortion system and corresponding adaptive predistortion processes are disclosed. In general a central node includes one or more centralized predistortion components that enable predistortion for one or more remote transmit chains in order to compensate for non linearity of power amplifiers in the one or more remote transmit chains. For instance in one embodiment the central node is a hub base station and the one or more remote transmit chains are included in one or more transmitters at one or more satellite base stations.

No. of Pages: 64 No. of Claims: 38

(21) Application No.3614/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 10/12/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: PHOTOVOLTAIC MODULE COMPRISING CONDUCTORS IN THE FORM OF STRIPS

:H01L31/048,H01L31/05 (71)Name of Applicant : (51) International classification (31) Priority Document No :1156192 1) COMMISSARIAT A LENERGIE ATOMIQUE ET AUX (32) Priority Date :07/07/2011 **ENERGIES ALTERNATIVES** (33) Name of priority country :France Address of Applicant :25 Rue Leblanc Btiment Le Ponant D F (86) International Application No :PCT/FR2012/050958 75015 Paris France (72)Name of Inventor: Filing Date :30/04/2012 (87) International Publication No :WO 2013/004928 1)VOARINO Philippe (61) Patent of Addition to Application 2)LEFILLASTRE Paul :NA Number

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

## (57) Abstract:

This photovoltaic module (10) comprises: a transparent upper electrically insulating sheet (16) and a lower electrically insulating sheet (18) that are sealed together so as to define a hermetic housing; photovoltaic cells (12, 14) compressed between the upper and lower sheets (16, 18); at least two electrical contacts placed on at least one side of each cell (12, 14) at least one electrical contact taking the form of a strip; and elements (52, 56) electrically connecting the contacts of each cell with the contacts of at least one adjacent cell. At least one strip (32) of each cell (12, 14) is lodged in a recess provided in the sheet (16, 18) facing said strip the recess being defined by: a depth of between a quarter and three quarters of the thickness of the strip (32) in an uncompressed state; a width greater than or equal to the width of the strip (32) at 85°C; and a length greater than or equal to the length of the strip (32) at 85°C.

No. of Pages: 24 No. of Claims: 11

(21) Application No.3615/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 10/12/2013 (43) Publication Date: 11/04/2014

(54) Title of the invention: INSPECTION UNIT

(51) International classification :G01N21/88,G01N21/90 (71)Name of Applicant : (31) Priority Document No :10 2011 108 754.4 (32) Priority Date :28/07/2011

(33) Name of priority country :Germany

(86) International Application No :PCT/EP2012/002875 Filing Date :07/07/2012

(87) International Publication No :WO 2013/013771 (61) Patent of Addition to Application

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

1)KHS GMBH

Address of Applicant : Juchostraße 20 44143 Dortmund

Germany

(72)Name of Inventor: 1)PRECKEL Katrin 2)NICK Michael

3)VAN DE WYNCKEL Werner

### (57) Abstract:

The invention relates to a method for the inspection of containers wherein image data of a container to be inspected are recorded as ACTUAL images (B) by means of at least one optical recording unit (line camera (8)) of an inspection unit (4) and are sent to an evaluation and control unit of the inspection module (4) which compares the ACTUAL images (B) with DESIRED images (A). The evaluation and control unit comprises at least one main processor (9) and at least one graphics card (12) wherein a comparison of ACTUAL with DESIRED images is effected on the graphics card (12) and calculations involved in the comparison are carried out in parallel by at least two graphics processors (in the multiprocessor system (11)) of the graphics card (12) and the graphics card (12) sends the evaluated data to the at least one main processor (9).

No. of Pages: 17 No. of Claims: 15

(21) Application No.3770/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :20/12/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: PIPERAZINE DERIVATIVES METHODS FOR PREPARING SAME AND USES THEREOF IN THE TREATMENT OF INSULIN RESISTANCE

(51) International :C07D295/088,C07D295/096,C07D213/74 classification

(31) Priority Document:1155545 No

(32) Priority Date :23/06/2011

(33) Name of priority :France country

(86) International :PCT/EP2012/062143 Application No :22/06/2012

:NA

Filing Date

(87) International :WO 2012/175707

**Publication No** 

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

Application Number Filing Date

(71)Name of Applicant:

1)METABOLYS

Address of Applicant :7 et 11 rue Guillaume Paradin Faculté de Médecine RTH Laënnec F 69372 LYON Cedex 08 France

(72)Name of Inventor: 1)MOINET Gérard 2)BAVEREL Gabriel 3)NAZARET Rémi 4)FERRIER Bernard

### (57) Abstract:

The invention relates to a compound of formula (I) where R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, m n and L<sup>1</sup> are as defined in claim 1 to the methods for preparing same to the pharmaceutical compositions containing same and to the uses thereof in the treatment of diseases associated with insulin resistance syndrome.

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

(21) Application No.3771/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 21/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : CLOUD SERVICE CONTROL AND MANAGEMENT ARCHITECTURE EXPANDED TO INTERFACE THE NETWORK STRATUM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:15/06/2012 :WO 2012/174441 :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO. LTD.  Address of Applicant: Huawei Administration Building Bantian Longgang District Shenzhen Guangdong 518129 China (72)Name of Inventor:  1)LEE Young
Filing Date (62) Divisional to Application Number Filing Date	:NA :NA :NA	

### (57) Abstract:

Disclosed is a method comprising: transmitting by a cloud service control gateway (CSCG) positioned in an application stratum a resource query to a network control gateway (NCG) positioned in a network stratum wherein the resource query comprises a source address a destination address list and a network resource requirement. Also disclosed is a method comprising: receiving by a network control gateway (NCG) positioned in a network stratum a resource query from a cloud service control gateway (CSCG) positioned in an application stratum wherein the resource query comprises source address a destination address list and a network resource requirement. Also disclosed is a method comprising: receiving by a network control gateway (NCG) positioned in a network stratum a resource reservation request from a cloud service control gateway (CSCG) positioned in an application stratum wherein the resource reservation request comprises a destination address list and a first network resource requirement.

No. of Pages: 40 No. of Claims: 21

(21) Application No.3772/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : CLOUD SERVICE CONTROL AND MANAGEMENT ARCHITECTURE EXPANDED TO INTERFACE THE NETWORK STRATUM

(51) International classification	:H04L29/08	(71)Name of Applicant:
(31) Priority Document No	:61/498337	1)HUAWEI TECHNOLOGIES CO. LTD.
(32) Priority Date	:17/06/2011	Address of Applicant :Huawei Administration Building
(33) Name of priority country	:U.S.A.	Bantian Longgang District Shenzhen Guangdong 518129 China
(86) International Application No	:PCT/US2012/042768	(72)Name of Inventor:
Filing Date	:15/06/2012	1)LEE Young
(87) International Publication No	:WO 2012/174444	
(61) Patent of Addition to Application	:NA	
Number		
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

### (57) Abstract:

Disclosed is an apparatus comprising: a cloud service control gateway (CSCG) positioned in an application stratum wherein the CSCG is configured to couple to a network control gateway (NCG) positioned in a network stratum and wherein the CSCG is configured to transmit a destination address list and a first network resource requirement to the NCG. Also disclosed is an apparatus comprising: a network control gateway (NCG) positioned in a network stratum wherein the NCG is configured to couple to a cloud service control gateway (CSCG) positioned in an application stratum and wherein the NCG is configured to receive a communication from the CSCG comprising a destination address list comprising a plurality of destination addresses and a network resource requirement.

No. of Pages: 42 No. of Claims: 23

(21) Application No.3773/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/12/2013 (43) Publication Date: 11/04/2014

### (54) Title of the invention: WELDING APPARATUS HAVING A WIRE PULSER

(51) International classification :B23K9/12,B23K9/29,B23K9/32 (71)Name of Applicant:

(31) Priority Document No :61/489204

(32) Priority Date :23/05/2011

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

(86) International Application No:PCT/US2012/039214

Filing Date :23/05/2012

(87) International Publication No: WO 2012/162436

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

(62) Divisional to Application

:NA Number :NA

Filing Date

1)AQUILEX WSI INC.

Address of Applicant :2225 Skyland Court Norcross GA

30071 U.S.A.

(72)Name of Inventor: 1)STOUTAMIRE Mark

### (57) Abstract:

A welding apparatus (100) is provided herein. The apparatus includes a wire source (110) having welding wire (105) a wire feed drive (115) and a wire pulser (120). The wire feed drive drives the welding wire from the wire source. The wire pulser has a first end associated with the wire feed drive and a second end associated with a wire conduit (125). The wire is fed through the wire conduit to a wire nozzle (130). The wire pulser increase and decrease the effective length of the wire as the wire moves through the wire conduit from the wire feed drive to the wire nozzle.

No. of Pages: 17 No. of Claims: 5

(21) Application No.3774/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :21/12/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: TOBACCO ALKALOID RELEASING CHEWING GUM

(51) International classification	:A23G 4/00	(71)Name of Applicant:
(31) Priority Document No	:PA 2004 01022	1)Fertin Pharma A/S
(32) Priority Date	:29/06/2004	Address of Applicant :Dandyvej 19, DK-7100, Vejle,
(33) Name of priority country	:Denmark	Denmark
(86) International Application No	:PCT/DK2005/000442	(72)Name of Inventor:
Filing Date	:29/06/2005	1)Carsten Andersen
(87) International Publication No	:WO/2006/000232	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:3708/KOLNP/2006	
Filed on	:08/12/2006	

# (57) Abstract:

The invention relates to a tobacco alkaloid releasing chewing gum comprising tobacco alkaloid, gum base, and chewing gum ingredients, said gum base comprising elastomer and resin-compounds constituting an amount in the range of about 2 to 20% by weight of said chewing gum.

No. of Pages: 56 No. of Claims: 20

(21) Application No.3815/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: FILLABLE CLOSURE COMPRISING A PUSH BUTTON FOR TRIGGERING

(51) International classification	:B65D51/28	(71)Name of Applicant :
(31) Priority Document No	:11170835.0	1)BELCAP SWITZERLAND AG
(32) Priority Date	:21/06/2011	Address of Applicant :RUNDBUCKSTRASSE 6,CH-8212
(33) Name of priority country	:EPO	NEUHAUSEN AM RHEINFALL SWITZERLAND
(86) International Application No	:PCT/EP2012/060436	2)Riwisa AG
Filing Date	:01/06/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2012/175317	1)SEELHOFER,Fritz
(61) Patent of Addition to Application	:NA	2)ZANGERLE,Wolfgang
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The fillable closure is used to trigger the emptying of a capsule (2) that belongs to said closure and can be inserted in the closure and filled separately. The closure consists of a closing cap (1) which can be screwed or snapped on the neck (40) of a container and in which a separately fillable capsule (2) can be inserted in the closed state from beneath. The region above the inserted capsule (2) on the closing cap (1) forms a push button (4) having a central pusher surface (6). A downwardly projecting protuberance (9) is molded on the lower face. Said protuberance (9) abuts against the upper face of the inserted capsule (2). Using pressure from above, the push button (4) can be pressed such as to deform the initially convex shape as seen from above into a concave shape, the protuberance (9) pushing the upper face (13) of the capsule (2) and the content thereof downward. The film (15), which forms the lower face of the capsule (2), is thus placed under tensile stress such that it breaks or bursts along weakened lines.

No. of Pages: 30 No. of Claims: 15

(21) Application No.3816/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: ANTI-VEGF SINGLE VARIABLE DOMAINS FUSED TO FC DOMAINS

:C07K16/22,A61P27/02 (71)Name of Applicant : (51) International classification (31) Priority Document No :61/512,138 1)GLAXO GROUP LIMITED (32) Priority Date :27/07/2011 Address of Applicant :980 Great West Road Brentford Middlesex TW8 9GS U.K. (33) Name of priority country :U.S.A. (86) International Application No :PCT/EP2012/064632 (72)Name of Inventor: Filing Date :25/07/2012 1)ASHMAN,Claire (87) International Publication No :WO 2013/014208 2) CATCHPOLE, Ian Richard (61) Patent of Addition to Application 3)HUGHES-THOMAS,Zoe :NA Number 4)LEWIS, Alan Peter :NA Filing Date 5)STEWARD, Michael (62) Divisional to Application Number :NA Filing Date :NA

# (57) Abstract:

The present invention is directed to antigen binding constructs comprising one or two epitope binding domains separated by a single chain Fc region of an antibody, wherein each epitope binding domain in capable of binding to VEGF, to dimers comprising two antigen binding constructs of the invention, pharmaceutical compositions comprising said dimers and their use in the treatment of diseases associated with VEGF signalling, such as diabetic macular edema (DME), wet age related macular degeneration (Wet AMD), diabetic retinopathy, retinal vein occlusion (RVO), and corneal neovascularisation and polynucleotide sequences encoding said antigen binding constructs.

No. of Pages: 147 No. of Claims: 51

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

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : PARAFFINIC OIL-IN-WATER EMULSIONS FOR CONTROLLING INFECTION OF CROP PLANTS BY FUNGAL PATHOGENS

(51) International (71)Name of Applicant: :A01N61/02,A01N25/04,A01N43/54 classification 1)SUNCOR ENERGY INC. (31) Priority Document No :61/493,118 Address of Applicant :P.O. Box 2844, 150-6 Avenue S.W., (32) Priority Date Calgary, Alberta T2P 3E3 Canada :03/06/2011 (33) Name of priority (72)Name of Inventor: :U.S.A. 1)FEFER, Michael country (86) International 2)LIU,Jun :PCT/CA2012/050376 Application No :04/06/2012 Filing Date (87) International :WO 2012/162846 **Publication No** (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to :NA **Application Number** 

### (57) Abstract:

Filing Date

This disclosure features fungicidal combinations that include a paraffinic oil and an emulsifier. The combinations can further include one or more of the following: pigments, silicone surfactants, anti-settling agents, conventional fungicides such as demethylation inhibitors (DMI) and quinone outside inhibitors (Qol) and water. The fungicidal combinations are used for controlling infection of a crop plant by a fungal pathogen.

No. of Pages: 96 No. of Claims: 110

:NA

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

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: BREASTSHIELD UNIT

(51) International classification	:A61M1/06	(71)Name of Applicant:
(31) Priority Document No	:1201/11	1)MEDELA HOLDING AG
(32) Priority Date	:18/07/2011	Address of Applicant :Lttichstrasse 4b, CH-6340 Baar
(33) Name of priority country	:Switzerland	SWITZERLAND
(86) International Application No	:PCT/CH2012/000164	(72)Name of Inventor:
Filing Date	:12/07/2012	1)KHALIL,Gamal
(87) International Publication No	:WO 2013/010286	2)FISCHER,René
(61) Patent of Addition to Application	:NA	3)SCHLIENGER,André
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A breastshield unit for expressing human breastmilk has a receiving part (10) for receiving a human nipple an underpressure chamber (40) for applying an underpressure to the nipple, wherein the receiving part (10) opens into this underpressure chamber (40), and a membrane (3) generating an underpressure in the underpressure chamber (40). The membrane (3) is designed in one or more pieces and at least partially surrounds the receiving part (10). This breastshield unit permits a separation of media in the area near the breast. It is small and easy to clean and is suitable in particular for use as a hands free breastshield unit.

No. of Pages: 31 No. of Claims: 15

(21) Application No.3819/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: VESSEL BIFURCATION STENT DEPLOYMENT SYSTEM WITH ZIPPERED CATHETERS

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:A61F2/84 :61/506,713 :12/07/2011 :U.S.A. :PCT/US2012/046457 :12/07/2012 :WO 2013/009976 :NA :NA	(71)Name of Applicant:  1)RUSH UNIVERSITY MEDICAL CENTER Address of Applicant: 707 South Wood Street, Annex Building,Suite 0, Chicago,IL 60612 U.S.A. (72)Name of Inventor: 1)JOHNSON,Andrew,K.
(62) Divisional to Application Number Filing Date	:NA :NA	

## (57) Abstract:

A bifurcated catheter, which can deploy a bifurcated stent constructed as a single piece into a bifurcated vessel, is disclosed. The system may have two main parts - a y-shaped catheter with a splittable seam, and a custom made stent, which can be deployed with the bifurcated catheter. The disclosed bifurcated catheter permits a physician or operator to stent a vessel at a bifurcation of the vessel.

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

(21) Application No.3722/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/12/2013 (43) Publication Date : 11/04/2014

### (54) Title of the invention: BLAST FURNACE OPERATING METHOD

(51) International classification	:C21B5/00,C21B7/00	(71)Name of Applicant :
(31) Priority Document No	:2011156957	1)JFE STEEL CORPORATION
(32) Priority Date	:15/07/2011	Address of Applicant :2 3 Uchisaiwai cho 2 chome Chiyoda
(33) Name of priority country	:Japan	ku Tokyo 1000011 Japan
(86) International Application No	:PCT/JP2012/004464	(72)Name of Inventor :
Filing Date	:11/07/2012	1)FUJIWARA Daiki
(87) International Publication No	:WO 2013/011662	2)MURAO Akinori
(61) Patent of Addition to Application	:NA	3)WATAKABE Shiro
Number	:NA	
Filing Date	.1111	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Provided is a blast furnace operating method that enables further improvement of combustion temperature and reduction of reductant prime cost. When two or more lances for blowing a reductant from tuyeres with pulverized coal serving as a solid reductant and an LNG serving as a flammable reductant are used lances are positioned such that an axis line extending from the front end of a lance for blowing the LNG intersects with an axis line extending from the front end of a lance for blowing the pulverized coal. Consequently the main streams of the LNG and the pulverized coal blown in from the different lances overlap the LNG burns first and explosively expands upon coming into contact with O<sub>2</sub>, and the temperature of the pulverized coal is drastically increased. Because the combustion temperature is drastically improved as a result the reductant prime cost can be reduced. When a double pipe lance is utilized as the lance for blowing the pulverized coal the pulverized coal is blown in through the inner pipe and oxygen is blown in through the outer pipe so as to ensure enough oxygen for burning the pulverized coal so the combustibility can be further improved. Also the flow velocity at the outlet of the lance is set to 20 120m/sec in order to prevent deformation of the lance.

No. of Pages: 47 No. of Claims: 12

(21) Application No.3723/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/12/2013 (43) Publication Date : 11/04/2014

### (54) Title of the invention: DELIVERY OF COATED HYDROPHOBIC ACTIVE AGENT PARTICLES

(51) International (71)Name of Applicant: :A61K9/14,A61L29/08,A61L29/12 classification 1)SURMODICS INC. (31) Priority Document No :61/488582 Address of Applicant: 9924 West 74th Street Eden Prairie Minnesota 55344 3523 U.S.A. (32) Priority Date :20/05/2011 (33) Name of priority country :U.S.A. (72)Name of Inventor: (86) International Application 1)SLAGER Joram :PCT/US2012/038158 No :16/05/2012 Filing Date (87) International Publication :WO 2012/162061 (61) Patent of Addition to :NA **Application Number** :NA Filing Date

### (57) Abstract:

Filing Date

Number

Embodiments of the invention include devices and coatings for devices including coated hydrophobic active agent particles. In an embodiment the invention includes a drug delivery device including a substrate; and coated therapeutic agent particles disposed on the substrate the coated therapeutic agent particles comprising a particulate hydrophobic therapeutic agent; and a cationic agent in contact with the particulate hydrophobic therapeutic agent.

No. of Pages: 69 No. of Claims: 49

(62) Divisional to Application

:NA

:NA

(21) Application No.925/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/04/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : INVERTER CIRCUIT AND CONTROL METHOD OF INVERTER CIRCUIT, INVERTER CIRCUIT 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 Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:H02M 7/00 :201210017446.6 :19/01/2012 :China :PCT/CN2012/083538 :26/10/2012 :WO/2013/107198 :NA :NA	(71)Name of Applicant:  1)HUAWEI TECHNOLOGIES CO., LTD.  Address of Applicant: HUAWEI ADMINISTRATION BUILDING, BANTIAN, LONGGANG DISTRICT, SHENZHEN, GUANGDONG 518129, P.R. CHINA (72)Name of Inventor:  1)ZHANG, YANZHONG 2)HUANG, BONING
Filing Date	:NA	

#### (57) Abstract:

Embodiments of the present invention provide an inverter circuit and a control method of the inverter circuit, and an inverter circuit control device. The control method of the inverter circuit includes: controlling a first switch in a first switch set and a fourth switch in a fourth switch set to be turned on, where a current output by a positive pole of a direct current source, after passing through the first switch and a first inductor, is split into two paths, one path passes through a parallel branch and the other path passes through a capacitor, and then the two paths of current converge and return to a negative pole of the direct current source after passing through the fourth switch; controlling the first switch to be turned off and a second diode in a second switch set to be turned on, and then controlling a second switch in the second switch set to be turned on, so that second switch is turned on at a low voltage. By using the technical solutions in the embodiments of the present invention, low-voltage turn-on and/or low-current turn-off of a switch can be implemented, so that the switch is a soft switch, thereby reducing switch loss, and effectively improving the efficiency of the inverter circuit.

No. of Pages: 68 No. of Claims: 19

(21) Application No.926/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/04/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: BIS (8 QUINOLINOLATO N O)PLATINUM (II) BASED ORGANIC PHOTOVOLTAIC CELL

(51) International :H01L51/46,H01L51/42,C07F17/02

classification

(31) Priority Document No :61/302794 (32) Priority Date :09/02/2010 (33) Name of priority country: U.S.A.

(86) International Application :PCT/CN2011/000176

No :31/01/2011 Filing Date

(87) International Publication: WO 2011/097948

(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)THE UNIVERSITY OF HONG KONG

Address of Applicant :Pokfulam Road Hong Kong China

(72)Name of Inventor: 1)CHE Chiming

2)XIANG Haifeng

### (57) Abstract:

Organic photovoltaic (OPV) cells and methods of forming the cells are provided. An OPV cell can include an organic photoactive layer comprising bis (8 quinolinolato- N, O)platinum (II) (PtQ<sub>2</sub>) having a general structure as Structure I. A method of forming an OPV cell can include forming an organic photoactive layer on a substrate which can include a transparent electrode. The organic photoactive layer can comprise PtQ<sub>2</sub> having the general structure as Structure (I).

No. of Pages: 12 No. of Claims: 10

(21) Application No.3844/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 27/12/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD USER EQUIPMENT AND SYSTEM FOR PROCESSING PAGING

(51) International classification	:H04W8/18	(71)Name of Applicant:
(31) Priority Document No	:NA	1)HUAWEI TECHNOLOGIES CO. LTD.
(32) Priority Date	:NA	Address of Applicant :Huawei Administration Building
(33) Name of priority country	:NA	Bantian Longgang Shenzhen Guangdong 518129 China
(86) International Application No	:PCT/CN2011/077180	(72)Name of Inventor:
Filing Date	:15/07/2011	1)WANG Ningshen
(87) International Publication No	:WO 2012/167478	2)SHU Lin
(61) Patent of Addition to Application	:NA	3)ZHOU Han
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention relates to a method, user equipment and system for processing paging. The method includes: user equipment receiving a paging message sent by a mobility management network element; the user equipment sending a location update message according to the value of a temporary identifier (TIN) for the next update, and the mobility management network element receiving the location update message and acquiring bearer context information about the user equipment. In the embodiments of the present invention, after the user equipment receives a paging message, a location update message is sent by judging the value of the TIN of the user equipment, and, after receiving the location update message, the mobility management network element acquires the bearer context information, so that the bearer context information about mobility management network element at the network side where the user equipment is located can be made consistent with the bearer context information of the user equipment, thus solving the problem that part of the bearer is lost during paging or that bearers at two ends are established with inconsistent bearer context information, ensuring the normal use of the service, and improving user experience.

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

(21) Application No.3559/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/12/2013

(43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD AND ARRANGEMENT FOR SUPPORTING CALIBRATION OF CORRELATED **ANTENNAS**

(51) International :H04W52/40,H04B17/00,H04B7/10

classification (31) Priority Document No

:NA (32) Priority Date :NA (33) Name of priority country: NA

(86) International Application :PCT/SE2011/050616

No :17/05/2011 Filing Date

(87) International Publication: WO 2012/158078

(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: S 164 83 Stockholm Sweden

(72)Name of Inventor: 1)THURFJELL Magnus 2)LANDSTRÖM Sara

### (57) Abstract:

Method and arrangement for supporting calibration of correlated antennas. The method involves determining a timing difference t between the correlated antennas based on variations in carrier signal strength over frequency in at least one direction from the correlated antennas and providing the determined timing difference t for use in calibration of the correlated antennas.

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

(21) Application No.3560/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :05/12/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: SULFUR CONTAINING ALPHA ALUMINA COATED CUTTING TOOL

(51) International :C23C16/40,C23C16/52,C23C30/00

classification

(31) Priority Document No :11181640.1 (32) Priority Date :16/09/2011

(33) Name of priority country: EPO

(86) International Application :PCT/EP2012/068207

No

:17/09/2012

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

Number :NA

Filing Date

(87) International Publication: WO 2013/037998

(61) Patent of Addition to

(62) Divisional to Application:NA Filing Date

(71)Name of Applicant:

1)WALTER AG

Address of Applicant : Derendinger Straße 53 72072 Tübingen

Germany

(72)Name of Inventor:

1)STIENS Dirk

2) RUPPI Sakari

## (57) Abstract:

The present invention relates to A cutting tool insert consisting of a substrate of cemented carbide cermet ceramics steel or a superhard material such as cubic boron nitride (CBN) and a coating with a total thickness of 5 to 40 µ the coating consisting of one or more refractory layers of which at least one layer is an  $-Al_2O_3$  layer having a thickness of 1 to 25  $\mu$  characterized in that the at least one - Al<sub>2</sub>O<sub>3</sub> layer having a sulphur content of more than 100 ppm analysed by Secondary Ion Mass Spectroscopy (SIMS) and the at least one - Al<sub>2</sub>O<sub>3</sub> layer having a texture coefficient TC (0 0 12) > 4 for the (0 0 12) growth direction the TC (0 0 12) being defined as follows: (formula) (hkl) = measured intensity of the (hkl) reflection l<sub>o</sub> (hkl) = standard intensity of the standard powder diffraction data according to JCPDF card no. 42-1468 n = number of reflections used in the calculation whereby the (hkl) reflections used are: (012), (104), (1 10), (1 13), (1 16), (300) and (0 0 12). The invention also relates to a method of manufacturing a cutting tool insert of any of the previous claims wherein said at least one - Al<sub>2</sub>O<sub>3</sub> layer is deposited by chemical vapour deposition (CVD) the reaction gas of the CVD process comprising H<sub>2</sub>, CO<sub>2</sub>, AlCl<sub>3</sub> and X with X being H<sub>2</sub>S, SO<sub>2</sub>, SF<sub>6</sub>, or combinations thereof and optional additions of N<sub>2</sub> and Ar, wherein the X is present in the reaction gas mixture in an amount of at least 1.0 vol % of the total volume of gases in the CVD reaction chamber and wherein the volume ratio of CO<sub>2</sub> and X in the CVD reaction chamber lies within the range of 1< CO/ X<7 during deposition of the at least one - Al<sub>2</sub>O<sub>3</sub> layer.

No. of Pages: 18 No. of Claims: 14

(21) Application No.938/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/04/2013

(43) Publication Date: 11/04/2014

(54) Title of the invention : METHOD AND TRANSFERRING CONTROL OF AN EXISTING MULTI-PARTICIPANT CONVERSATION TO A CONFERENCE CONTROL APPLICATION AND COMPUTER PROGRAM PRODUCT FOR EXECUTING THE 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 Filing Date</li> </ul>	:A61K 36/00 :NA :NA :NA :NA :PCT/EP2012/001497 :04/04/2012 :WO/2013/149628 :NA :NA :NA	(71)Name of Applicant:  1)SIEMENS ENTERPRISE COMMUNICATION GMBH CO. KG, Address of Applicant:HOFMANNSTRASSE 51, 81379 MÜNCHEN, GERMANY (72)Name of Inventor: 1)RIST, CLAUS
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### (57) Abstract:

The invention relates to a method of extracting galactomannans from fenugreek seeds comprising the steps of: preparing a solution of one or more salts in water said salts being present in an amount of 0.5 10% by weight of the solution adjusting the pH in the solution to be in the range of 1 to 5 with an acid keeping the temperature of the solution in the range of 10 60 0C immersing the fenugreek seeds in the solution for between 2 to 72 hours recovering the galactomannans from the solution and recovering the fenugreek seeds for further processing.

No. of Pages: 53 No. of Claims: 15

(21) Application No.3515/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :29/11/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: DEVICE FOR SEPARATING A FLUID MASS FLOW

(51) International classification	:F16L41/02	(71)Name of Applicant:
(31) Priority Document No	:10 2012 201 129.3	1)AREVA GMBH
(32) Priority Date	:26/01/2012	Address of Applicant :Paul Gossen Strasse 100 91052
(33) Name of priority country	:Germany	Erlangen Germany
(86) International Application No	:PCT/EP2012/072510	(72)Name of Inventor:
Filing Date	:13/11/2012	1)BÜTTNER Robert
(87) International Publication No	:WO 2013/110370	2)SCHULZE Günther
(61) Patent of Addition to Application	:NA	3)WALTERSKÖTTER Ralf
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The invention relates to a device (1) for separating a fluid mass flow  $(M_o)$  in a nuclear plant, comprising a primary end piece (3) for conducting the fluid mass flow  $(M_o)$  and a plurality of secondary end pieces (4, 6) for conducting a plurality of separate partial flows  $(M_1, M_2, M_3)$  of the fluid mass flow  $(M_o)$ , wherein a number of separating elements (2, 8) is provided in the area within the primary end piece (3) and each of the partial areas  $(V_1; V_2, V_3)$  defined by the separating element (2, 8) or the separating elements (2, 8) opens in a secondary end piece (4, 6) clearly assigned to the partial area  $(V_1; V_2, V_3)$ .

No. of Pages: 28 No. of Claims: 20

(21) Application No.3733/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/12/2013 (43) Publication Date: 11/04/2014

## (54) Title of the invention: METHOD FOR ENHANCING THE PRODUCTION YIELD OF HUMAN PAPILLOMAVIRUS L1 **PROTEIN**

(51) International :C12N15/33,C12N1/19,C12N15/81 classification

:WO 2012/173390

:10-2011-0057748 (31) Priority Document No

(32) Priority Date :15/06/2011 (33) Name of priority country: Republic of Korea

(86) International Application :PCT/KR2012/004667 No

:13/06/2012 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

(71)Name of Applicant:

1)CHUNG-ANG UNIVERSITY INDUSTRY-ACADEMIC **COOPERATION FOUNDATION** 

Address of Applicant : Chung-Ang Univ, 84 Heukseongno, Dongjak-gu, Seoul 156-756 REPUBLIC OF KOREA

2)KIM, Hong Jin (72)Name of Inventor: 1)KIM, Hong Jin 2)KIM, Hyoung Jin

(57) Abstract:

The present invention relates to a method for enhancing the production yield of human papillomavirus (HPV) L1 protein, comprising a step of culturing cells expressing HPV L1 protein in a medium containing a high concentration of a total carbon source. According to the culturing method using a medium containing a high concentration of a carbon source, the production yield of HPV L1 protein can be remarkably enhanced, and furthermore, the immunogenicity of the produced L1 protein can be greatly increased.

No. of Pages: 64 No. of Claims: 9

(21) Application No.3812/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: WATER VALVE APPARATUS

(51) International classification	:E03C1/26,E03C1/282	(71)Name of Applicant :
(31) Priority Document No	:201120242189.7	1)LIN,Wen-Chien
(32) Priority Date	:07/07/2011	Address of Applicant :No. 31, Hong En 3rd Ln., Sec. 3, Xitun
(33) Name of priority country	:China	Rd., Xitun Dist., Taichung City, Taiwan 407 People's Republic of
(86) International Application No	:PCT/CN2012/078087	China
Filing Date	:03/07/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/004172	1)LIN,Cheng-yu
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

A water valve apparatus comprises a hollow cylindrical base (20) and a removable control unit disposed in the base (20). The top edge of the base (20) expands outward, forming an outer block edge (21) so as to be assembled in a frame (10) correspondingly. At least one through hole (23) is provided at the bottom of the base (20) and the control unit automatically turns on the water valve apparatus when the amount of water flowing into the base (20) is more than a predetermined value, and automatically turns off the water valve apparatus when the amount of water in the base (20) is lower than the predetermined value. The water valve apparatus is simple in structure, and can prevent insects and stink.

No. of Pages: 19 No. of Claims: 17

(21) Application No.3813/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : METHOD OF WRAPPING A BATT, BLANKET OR MAT IN AN EXHAUST GAS AFTERTREATMENT OR ACOUSTIC 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> </ul>	:B23P11/00 :13/196,307 :02/08/2011 :U.S.A. :PCT/US2012/044393 :27/06/2012 :WO 2013/019341 :NA	(71)Name of Applicant: 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)LATHAM,Ruth
(62) Divisional to Application Number Filing Date	:NA :NA	

### (57) Abstract:

A method is provided for wrapping a mat (24) around a core in an exhaust gas aftertreatment or acoustic device. The method includes the steps of applying a longitudinally extending strip of adhesive media to the surface of the core; securing a first end of the mat (24) to at least a part of the strip of adhesive media; wrapping the mat (24) around the core for at least a complete wrap around the core; securing a second end of the mat (24) to at least a part of the strip of adhesive media.

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

(21) Application No.303/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :12/02/2014 (43) Publication Date : 11/04/2014

# (54) Title of the invention : A METHOD AND APPARATUS TO TEMPORARILY RESTRAIN STRETCHABLE NON-WOVEN FABRIC

(51) International classification: A61F13/15, D04H5/08, A61F13/49 (71) Name of Applicant: (31) Priority Document No :61/508,317 1)TAMICARE LTD. (32) Priority Date :15/07/2011 Address of Applicant : UNIT 4 BROADFIELD BUSINESS (33) Name of priority country :U.S.A. PARK PILSWORTH ROAD HEYWOOD OL 10 2TA U.K. (86) International Application (72)Name of Inventor: :PCT/IB2012/001594 1)GILOH, Ehud No :11/07/2012 Filing Date (87) International Publication :WO 2013/011377 (61) Patent of Addition to :NA **Application Number** :NA Filing Date (62) Divisional to Application :NA Number :NA Filing Date

### (57) Abstract:

A method for obtaining temporary non-stretchability characteristics, mainly in a machine direction, in a non-woven fabric having any level of stretchability, in order to ease converting is disclosed. The non-stretchability characteristics can be then eliminated in order to restore the original characteristics of the non-woven fabric. This technique allows the formation of final products comprising stretchable non-woven fabrics by converting machines.

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

(21) Application No.331/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :14/02/2014 (43) Publication Date : 11/04/2014

### (54) Title of the invention: PERCUTANEOUS METHODS FOR SPINAL STENOSIS AND FORAMINAL STENOSIS

(51) International classification	:A61B17/56	(71)Name of Applicant :
(31) Priority Document No	:61/508,999	1)TRUMINIM INTERNATIONAL CORPORATION
(32) Priority Date	:18/07/2011	Address of Applicant :120 Tustin Avenue, Suite C Newport
(33) Name of priority country	:U.S.A.	Beach, CA 92663 U.S.A.
(86) International Application No	:PCT/US2012/047050	(72)Name of Inventor:
Filing Date	:17/07/2012	1)TRAMBOO, Tariq Ahmad
(87) International Publication No	:WO 2013/012856	2)TAHA, Ashraf A.
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	11.11	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

The present invention is a method for performing a percutaneous laminoplasty that includes entering a first introducer needle introducing a first tool wire into an epidural space above a selected lamina, entering a first catcher exit needle that that is caught with the first introducer needle and pulled through a patient body and entering a second introducer needle introducing a second tool wire into the epidural space below the selected lamina. The method also includes entering a second catcher exit needle that is caught within the epidural space and pulled through the patient body, moving the caught first introducer needle and the first catcher exit needle back and forth to cut the lamina and moving the caught second introducer needle and the second catcher exit needle back and forth to cut the lamina. There is also a method for performing a percutaneous foraminoplasty.

No. of Pages: 77 No. of Claims: 61

(21) Application No.3313/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :08/11/2013

(43) Publication Date: 11/04/2014

### (54) Title of the invention: METHODS FOR CHRONIC PAIN MANAGEMENT AND TREATMENT USING HCG

:NA

:NA

(51) International classification :A61K38/16,A61K38/24 (71)Name of Applicant : :61/475908 (31) Priority Document No 1)NEURALIGHT HD LLC Address of Applicant :4221 E Chandler Blvd. #119 Phoenix (32) Priority Date :15/04/2011 Arizona 85048 U.S.A. (33) Name of priority country :U.S.A. (86) International Application No :PCT/US2012/033828 (72)Name of Inventor: 1)HICKS Edson Conrad Jr. Filing Date :16/04/2012 (87) International Publication No :WO 2012/142609 2) DUTTON Constance T. (61) Patent of Addition to Application :NA Number :NA

## (57) Abstract:

Filing Date

Filing Date

A gonadotropin is administered within a surprisingly effective narrow range for the purpose of treating chronic pain or other central sensitization sequelae. In one aspect a recipient is provided with at least one of human chorionic gonadotropin (uHCG and /or rHCG) a pharmaceutically active HCG analogue and a pharmaceutically active metabolite of the HCG or analogue at a dosage selected to provide or be equivalent to a human subcutaneous dosage of between 120 IU/day and 170 IU/day of HCG and more preferably between 140 IU/day and 160 IU/day of HCG. A kit is also described which includes a supply of the HCG related drug a delivery device and a label that identifies chronic pain or central sensitization as an indication of the drug.

No. of Pages: 32 No. of Claims: 30

(62) Divisional to Application Number

(21) Application No.3586/KOLNP/2013 A

1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)

Address of Applicant: S 164 83 Stockholm Sweden

(19) INDIA

(22) Date of filing of Application :06/12/2013

(43) Publication Date: 11/04/2014

(71)Name of Applicant:

(72)Name of Inventor:

1) JAISWAL Suraj

2)WEN Renhua

### (54) Title of the invention: INTER RAT HANDOVER CONTROL USING SEQUENCE NUMBERS

(51) International :H04W36/02,H04W36/14,H04W88/16 classification

(31) Priority Document No :13/111130

(32) Priority Date :19/05/2011 (33) Name of priority

:U.S.A. country

(86) International

:PCT/IB2012/052232 Application No :03/05/2012

Filing Date (87) International

Publication No

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

**Application Number** Filing Date

:WO 2012/156856

:NA

:NA :NA

### (57) Abstract:

An empty GRE packet along with a sequence number provides in order delivery of data packets for a session to a UE during inter RAT handover. In particular an empty GRE packet sent from a source gateway in a source RAN (Radio Access Network) to a target gateway in a target RAN includes a sequence number to indicate to the target gateway the end of forwarded data packets from the source gateway. The target gateway sends data packets received from the source gateway to the UE until the empty GRE packet with the expected sequence number is received. Upon receipt of the empty GRE packet containing the expected sequence number the target gateway begins sending data packets received directly from a home network gateway to the UE.

No. of Pages: 36 No. of Claims: 34

(21) Application No.3602/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/12/2013 (43) Publication Date : 11/04/2014

### (54) Title of the invention: METHOD AND SYSTEM FOR RECOMMENDING MEDIA INFORMATION POST

(51) International classification	:G06Q30/00,G06F17/30	(71)Name of Applicant:
(31) Priority Document No	:201110266957.7	1)TENCENT TECHNOLOGY (SHENZHEN) COMPANY
(32) Priority Date	:09/09/2011	LIMITED
(33) Name of priority country	:China	Address of Applicant :Room 403 East Block 2 SEG Park
(86) International Application No	:PCT/CN2012/078511	Zhenxing Road Nanshan Futian Guangdong 518057 China
Filing Date	:11/07/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/034027	1)WU Liu
(61) Patent of Addition to Application	:NA	2)HUANG Yu
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract:

Disclosed is a media information post recommendation method including: calculating the recommendation index of a media information post according to the degree of matching between the industry to which a customer product belongs and a channel as well as the target population covered by each media information post; and recommending a media information post to users according to the calculated recommendation index. Accordingly disclosed is a media information post recommendation system. The embodiments of the present invention do not rely on human experience to recommend media information posts so it is possible to achieve systematic media information post recommendation and improve the recommendation efficiency of the media information post as well as the releasing effect of media information.

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

(21) Application No.3603/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/12/2013 (43) Publication Date : 11/04/2014

# (54) Title of the invention : METHOD AND APPARATUS FOR ALLOCATING CHANNELS FOR DOWNLINK TEMPORARY BLOCK FLOW

(31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (10) Patent of Addition to Application Number Filing Date (10) Divisional to Application Number Filing Date (10) Divisional to Application Number Filing Date (11) Friority Document No Filing Date (12) Divisional to Application Number Filing Date (13) Priority Document No (14) Policy Country (15) Address of Applicant: Huawei Administration Building Bantian Longgang Shenzhen Guangdong 518129 China (17) Name of Inventor: (1) YANG Kai (1) YANG Kai (1) YANG Kai	<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> <li>(62) Divisional to Application Number</li> </ul>	:China :PCT/CN2012/076578 :07/06/2012 :WO 2012/167734 :NA :NA	Bantian Longgang Shenzhen Guangdong 518129 China (72)Name of Inventor:
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## (57) Abstract:

The embodiments of the present invention provide a method for establishing downlink Temporary Block Flow (TBF). The embodiments of the present invention also provide a corresponding apparatus for establishing downlink TBF and the apparatus is applied to the access network side. When the downlink packet service data arrives at the access network side the access network side obtains the buffer data quantity of each downlink TBF beared in each Physical Downlink Channel (PDCH) and the corresponding relationship between each downlink TBF beared in each PDCH and the PDCH calculates the load quantity of each PDCH selects the PDCH with less load quantity in each PDCH as the first PDCH and then sends a first assignment message to a user equipment so as to enable the user equipment to receive the downlink packet service data on the first PDCH. By using the technical solution data quantity can be allocated to each PDCH as averagely as possible when the channels are allocated so that the resource usage rate of PDCH is enhanced the multiplexing of the packet service with high data quantity on the PDCH is reduced and the service experience of the users is improved.

No. of Pages: 47 No. of Claims: 12

(21) Application No.3604/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :10/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : PISTON DEVICE FOR THE CONTROLLED ROTATABLE MOVEMENT OF DOORS SHUTTERS OR LIKE 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 Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:E05F3/10,E05F3/20 :VI2011A000124 :19/05/2011 :Italy :PCT/IB2012/052504 :18/05/2012 :WO 2012/156949 :NA :NA :NA	(71)Name of Applicant:  1)IN & TEC S.R.L.  Address of Applicant: Via Scuole 1/G I 25128 Brescia Italy (72)Name of Inventor:  1)BACCHETTI Luciano
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### (57) Abstract:

A piston device for the controlled rotatable movement of a closing element (D) anchored to a stationary support structure (W) including a tubular body (10) removably insertable into at least one seat (S) of a hinge device (H) an actuating head (20) external to the tubular body (10) a plunger member (30) slidably movable unitary with the actuating head (20) between a retracted end position and an extended end position elastic contrast means (50) acting on said plunger member (30) for the returning thereof from the retracted end position to the extended end position and a working fluid acting on the plunger member (30) to hydraulically counteract the action thereof. A hinge device in which the piston device is removably insertable.

No. of Pages: 42 No. of Claims: 33

(21) Application No.358/KOL/2013 A

(19) INDIA

(22) Date of filing of Application :01/04/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: A PROCESS FOR THE PRODUCTION OF FUEL GAS FROM MUNICIPAL SOLID WASTE

(51) International classification	:C10L 5/00	(71)Name of Applicant :
(31) Priority Document No	:TO2012A000456	1)VM PRESS S.R.L
(32) Priority Date	:25/05/2012	Address of Applicant :VIA REBBA,2/A,I-15076
(33) Name of priority country	:Italy	OVADA(AL), ITALY,
(86) International Application No	:NA	(72)Name of Inventor:
Filing Date	:NA	1)CARLO GONELLA
(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:

After separating from solid urban waste an organic fraction containing biological cells, the latter is extruded through a grid having small-bore holes, under a pressure higher than the bursting pressure of the cell membranes, so that most of these are disrupted and a gel of a doughy consistency is produced. The gel is then loaded into a biodigester, where it is readily attacked by bacteria.

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

(21) Application No.3743/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/12/2013 (43) Publication Date: 11/04/2014

(54) Title of the invention: METHOD AND DEVICE FOR CLEANING AND/OR DISINFECTING A DEVICE FOR PRODUCING CONTAINERS FILLED WITH A LIQUID FILLING MATERIAL

(51) International classification: B29C49/46,B29C49/42,B65B3/02 (71) Name of Applicant:

:WO 2012/156013

(31) Priority Document No :10 2011 102 090.3

(32) Priority Date :19/05/2011 (33) Name of priority country : Germany

(86) International Application :PCT/EP2012/001644

No

:17/04/2012 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)KHS GMBH

Address of Applicant : Juchostrasse 20 44143 Dortmund

Germany

2)KHS CORPOPLAST GMBH

(72)Name of Inventor: 1)DRENGUIS Alfred 2)KLATT Dieter

#### (57) Abstract:

The invention relates to a device (1) for the integrated production and filling of containers and to a method for cleaning and/or disinfecting at least the mould (5) of at least one moulding and filling station (4) of said device (1). During a cleaning and/or disinfecting operation of the device (1) at least the inside of the mould (5) is cleaned and/or disinfected with at least one cleaning and/or disinfecting agent by means of at least one cleaning element and during the cleaning and/or disinfecting operation the at least one mould (5) is opened and closed at least once preferably many times and/or the plunger is moved at least once preferably many times between its initial position and end position.

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

(21) Application No.3860/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :31/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : EXTENSION OF PHYSICAL DOWNLINK CONTROL SIGNALING IN A COMMUNICATION SYSTEM

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of priority country</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application</li> <li>Number Filing Date</li> <li>(62) Divisional to Application Number</li> </ul>	:61/497330 :15/06/2011 :U.S.A.	(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)PAPASAKELLARIOU Aris 2)CHO Joon Young 3)JI Hyoung Ju
(62) Divisional to Application Number Filing Date	:NA :NA	

#### (57) Abstract:

Methods and apparatus are provided for a User Equipment (UE) to receive over a first set of resources a Physical Downlink Control CHannel (PDCCH) of a first type including Control Channel Elements (CCEs) of a first type, to receive over a second set of resources a PDCCH of a second type including CCEs of a second type, and to determine a resource for transmitting an acknowledgement signal in response to detecting the PDCCH of the first type or in response to detecting the PDCCH of the second type.

No. of Pages: 33 No. of Claims: 20

(21) Application No.347/KOLNP/2014 A

(19) INDIA

(22) Date of filing of Application :17/02/2014 (43) Publication Date : 11/04/2014

# (54) Title of the invention: CARTON AND CARTON BLANK

(51) International classification	:B65D71/18	(71)Name of Applicant :
(31) Priority Document No	:1113149.7	1)MEADWESTVACO PACKAGING SYSTEMS, LLC.
(32) Priority Date	:29/07/2011	Address of Applicant :501 South 5th Street, Richmond,
(33) Name of priority country	:U.K.	Virginia 23219-0501, U.S.A.
(86) International Application No	:PCT/US2012/048897	(72)Name of Inventor:
Filing Date	:30/07/2012	1)Alain SAULAS
(87) International Publication No	:WO 2013/019753	2)Philippe LEBRAS
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date		
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A carton for packaging one or more articles includes a first side panel and a first base panelhingedly connected by a fold line. The carton further includes at least one article retention structure for engaging a lower portion of an article. The at least one article retention structure has at least one retention tab (42, 44) struck from, and hingedly connected to, the first side panel and the first base panel. At least a portion of the at least one retention tab is folded into overlapping relationship with the first side panel and first base panel. The carton further includes at least one locking tab (52) hingedly connected to one of said first side panel and the first base panel. The at least one locking tab has a locking edge in engagement with a portion of the at least one retention tab.

No. of Pages: 34 No. of Claims: 20

(21) Application No.3470/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 27/11/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: TURBINE ROTOR BLADE AND STEAM TURBINE

(51) International classification :F01D5/22,F01D5/20,F01D5/32 (71)Name of Applicant :

(31) Priority Document No :2011114893

(32) Priority Date :23/05/2011

(33) Name of priority country :Japan

(86) International Application No :PCT/JP2012/003365 Filing Date :23/05/2012

(87) International Publication No: WO 2012/160819

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

Filing Date

(62) Divisional to Application :NA Number :NA

Filing Date

1)KABUSHIKI KAISHA TOSHIBA

Address of Applicant: 1 1 Shibaura 1 chome Minato ku Tokyo

1058001 Japan

(72)Name of Inventor: 1)MORI Norimichi 2)MURAKAMI Itaru 3)YOSHIHARA Tsutomu

# (57) Abstract:

Provided is a turbine rotor blade which enables the assembly of turbine rotor blades to be simplified. This turbine rotor blade comprises multiple rotor blades equipped with an effective blade section an embedded blade section and a cover section with the adjacent cover sections in the circumferential direction of the turbine rotor engaging each other and forming an annular row of blades. With respect to the rotor blades the cover section of the stopping blade embedded in the embedding section of the turbine rotor or at least one rotor blade cover section that engages the cover section of the stopping blade is formed so as to be capable of mating with the top part of the rotor blade when the rotor blade is incorporated in the turbine rotor.

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

(21) Application No.3605/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 10/12/2013 (43) Publication Date: 11/04/2014

# (54) Title of the invention: INTER SYMBOL INTERFERENCE REDUCTION BY APPLYING TURBO EQUALIZATION MODE

(51) International classification (31) Priority Document No	:H04L25/03,H03M13/01,H03M13/29 :NA	(71)Name of Applicant:  1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)  Address of Applicant: S 164 83 Stockholm Sweden
(32) Priority Date	:NA	(72)Name of Inventor:
(33) Name of priority country	:NA	1)HUANG Jinliang 2)ANDRÉ Tore Mikael
(86) International Application No Filing Date	:PCT/SE2011/050635 :19/05/2011	
(87) International Publication No	:WO 2012/158083	
(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 receiving node and to a related method for determining when to apply a turbo equalization mode to compensate for inter Symbol Interference in a radio signal  $(s_{in})$  received over a radio channel  $(h_1, h_2)$  from a transmitting node (100). The method comprises decoding (810) the received radio signal  $(s_{in})$  into a decoded signal (445) determining (820) a current error level in the decoded signal (445) predicting (830) a turbo equalization gain based on instantaneous channel information of the radio channel  $(h_1, h_2)$  and deciding (840) whether to apply the turbo equalization mode depending on the predicted turbo equalization gain and the determined current error level in the decoded signal (445).

No. of Pages: 46 No. of Claims: 23

(21) Application No.3679/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/12/2013 (43) Publication Date: 11/04/2014

# (54) Title of the invention: CONTACT ELEMENT FOR AN ELECTRICAL PLUG CONNECTOR 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>	:20 2011 103 484.8 :20/07/2011 :Germany :PCT/EP2012/002757 :29/06/2012 :WO 2013/010626 :NA :NA	(71)Name of Applicant:  1)BALS ELEKTROTECHNIK GMBH & CO. KG Address of Applicant:Burgweg 22, 57399 Kirchhundem- Albaum, GERMANY (72)Name of Inventor:  1)RAMM, Andreas 2)BANKSTAHL, Mareike
Filing Date		
(62) Divisional to Application Number Filing Date	:NA :NA	

# (57) Abstract:

The invention relates to a contact element for an electrical plug connector apparatus, characterized in that the contact element comprises a shaped first end section (102) and a shaped elongate receiving section (101), which defines a longitudinal axis, for mechanically and electrically coupling or receiving a mating contact element, which is designed to complement the contact element, of a plug connector apparatus which is to be paired with the electrical plug connection apparatus, said plug connector/connection apparatuses being produced from an electrically conductive material. The elongate receiving section extends from the first end section in a substantially cylindrical manner. This end section and the elongate, cylindrical receiving section are formed by shaping the electrically conductive material by means of force which acts at least predominantly parallel to the longitudinal axis, without seams and sectional joints, and at least the receiving section which is formed by shaping the electrically conductive material forms a cylindrical interior space, which is surrounded by the shaped electrically conductive material, along the longitudinal axis.

No. of Pages: 38 No. of Claims: 7

(21) Application No.3549/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :03/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD OF GENERATING HIGH SPEED AIRFLOW

(51) International classification	:F01K27/00	(71)Name of Applicant :
(31) Priority Document No	:201110116942.2	1)ZIBO NATERGY CHEMICAL INDUSTRY CO. LTD
(32) Priority Date	:08/05/2011	Address of Applicant :No. 2 Mintai Road Minying Park Hi
(33) Name of priority country	:China	New Technological Industrial Development Zone Zibo Shandong
(86) International Application No	:PCT/CN2012/000615	255088 China
Filing Date	:08/05/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2012/152066	1)LIU Angfeng
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.11/14	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

Disclosed in the present invention is a method of generating high speed airflow which attributes to the method of converting thermal energy or fluid energy into mechanical energy. Utilizing a device comprised of an air pipe (1) a circulating pipe (2) and a starting and controlling system (3). The starting and controlling system (3) is comprised of one or combination of any two or more of a refrigerator (4) a circulating pump (5) and a heat exchanger (6). The method comprises the following steps: filling the device with a media; activating the starting and controlling system (3); after pressurized under liquid state the media absorbing heat and gasified and entering the air pipe (1) and generating high speed airflow. The method provides a method of utilizing low quality heat source to convert low speed airflow into high speed or extremely high speed airflow. Utilizing the method of generating high speed airflow in the present invention the thermal energy carried by the flow in the nature is converted into mechanical energy efficiently.

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

(21) Application No.3687/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/12/2013 (43) Publication Date: 11/04/2014

(54) Title of the invention: NEW CRYSTALLINE FORM

(51) International :C07D339/04,A61K31/381,A61P39/06

classification

(31) Priority Document No: MI2011A001286

(32) Priority Date

:11/07/2011

(33) Name of priority

:Italy

country

(86) International :PCT/IB2012/001343

Application No Filing Date

:06/07/2012

:NA

:NA

:NA

:NA

:WO 2013/008076

(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)LABORATORIO CHIMICO INTERNAZIONALE S.P.A.

Address of Applicant :Largo Donegani Guido 2 I-20121

Milano ITALY

(72)Name of Inventor:

1)NARDI, Antonio

2)SALVI, Annibale 3) VILLANI, Flavio

4)DE ANGELIS, Bruno

5)BERTOLINI, Giorgio

#### (57) Abstract:

The invention concerns a new polymorphic form of R (+) a lipoic acid and a process for the preparation thereof in addition to the compositions that contain it and its use as a medicine or food supplement.

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

(21) Application No.3778/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: SAMPLE ARRAY CODING FOR LOW DELAY

(51) International classification	:H04N7/26,H03M7/40	(71)Name of Applicant :
(31) Priority Document No	:61/508477	1)FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG
(32) Priority Date	:15/07/2011	DER ANGEWANDTEN FORSCHUNG E.V.
(33) Name of priority country	:U.S.A.	Address of Applicant :Hansastraße 27c 80686 München
(86) International Application No	:PCT/EP2012/063929	Germany
Filing Date	:16/07/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/010997	1)GEORGE Valeri
(61) Patent of Addition to Application	:NA	2)HENKEL Anastasia
Number	:NA	3)KIRCHHOFFER Heiner
Filing Date	.11/1	4)MARPE Detlev
(62) Divisional to Application Number	:NA	5)SCHIERL Thomas
Filing Date	:NA	

# (57) Abstract:

The entropy coding of a current part of a predetermined entropy slice is based on, not only, the respective probability estimations of the predetermined entropy slice as adapted using the previously coded part of the predetermined entropy slice, but also probability estimations as used in the entropy coding of a spatially neighboring, in entropy slice order preceding entropy slice at a neighboring part thereof. Thereby, the probability estimations used in entropy coding are adapted to the actual symbol statistics more closely, thereby lowering the coding efficiency decrease normally caused by lower-delay concepts. Temporal interrelationships are exploited additionally or alternatively.

No. of Pages: 68 No. of Claims: 23

(21) Application No.717/CAL/2002 A

(19) INDIA

(22) Date of filing of Application :23/12/2002

(43) Publication Date: 11/04/2014

# (54) Title of the invention : AN ADSORBENT FOR PHOSPHATE FROM AQUEOUS MEDIUM, AND THE PRODUCTION AND USE THEREOF

(51) International classification	:A61K33/06 :19547356.6	(71)Name of Applicant: 1)VIFOR (INTERNATIONAL) AG.
<ul><li>(31) Priority Document No</li><li>(32) Priority Date</li></ul>	:19/12/2005	Address of Applicant :RECHENSTRASSE 37, CH-9001 ST.
(33) Name of priority country (86) International Application No	:Germany :NA	GALLEN, SWITZERLAND (72)Name of Inventor:
Filing Date	:NA	1)GEISSER PETER
(87) International Publication No	: NA	2)PHILIPP ERIK
(61) Patent of Addition to Application Number	:NA	
Filing Date (62) Divisional to Application Number	:NA :NA	
Filing Date	:NA	

# (57) Abstract:

An absorbent for phosphate from aqueour medium, particularly for inorganic phosphate orphosphate bound to food stuffs from body fluids or foodstuffs, which contains beta-iron hydroxide stabliged by carbohydrates and/or humic acid.

No. of Pages: 22 No. of Claims: 9

(21) Application No.3740/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application:17/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : PROCESS FOR THE PREPARATION OF 2 AMINO 9 ((2 PHENYL 1 3 DIOXAN 5 YLOXY)METHYL) 1H PURIN 6(9H) ONE COMPOUND USEFUL IN THE PREPARATION OF VALGANCICLOVIR

<ul> <li>(51) International classification</li> <li>(31) Priority Document No</li> <li>(32) Priority Date</li> <li>(33) Name of 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>	:C07D473/18 :NA :NA :NA :PCT/EP2011/002684 :31/05/2011 :WO 2012/163373 :NA :NA :NA	(71)Name of Applicant:  1)PHARMATHEN S.A. Address of Applicant: 6 Dervenakion Str. GR 153 51 Pallini Attikis Greece (72)Name of Inventor: 1)KOFTIS Theocharis V. 2)GEORGOPOULOU Ioanna 3)VARVOGLI Anastasia Aikaterini 4)ZITROU Asteria
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#### (57) Abstract:

The present invention provides an improved industrially feasible process for the preparation of 2-amino-9-((2- phenyl-1, 3-dioxin-5-yloxy)methyl)-1*H*-purin-6(9*H*)-one, Formula which is a useful intermediate for the preparation of Valganciclovir and pharmaceutically acceptable salts thereof and involves the use of said new intermediate compounds in the process to obtain Valganciclovir.

No. of Pages: 14 No. of Claims: 12

(21) Application No.3741/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application:17/12/2013 (43) Publication Date: 11/04/2014

# (54) Title of the invention : A SIGNAL COMBINER METHOD COMPUTER PROGRAM AND COMPUTER PROGRAM PRODUCT

#### (57) Abstract:

It is presented a signal combiner for combining transmission signals to foe supplied to four antennas devices wherein two of the antenna devices are polarised in a first orientation and two of the antenna devices are polarised in a second orientation essentially orthogonal to the first orientation. The signal combiner comprises: four input connections arranged to receive the transmission signals; four output connections arranged to drive a respective one of the four of antenna devices using respective output signals. The signal combiner is arranged to combine transmission signals supplied on each input connection to all of the four output connections using beam forming and phase adjustment such that in use each supplied transmission signal generates a central beam polarised in the first orientation and a side beam polarised in the second orientation It is also presented a corresponding method computer program and computer program product.

No. of Pages: 25 No. of Claims: 15

(21) Application No.3742/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 18/12/2013 (43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD FOR CONTROLLING A HOT STRIP ROLLING LINE

(51) International classification	:B21B37/74	(71)Name of Applicant:
(31) Priority Document No	:11171512.4	1)SIEMENS AKTIENGESELLSCHAFT
(32) Priority Date	:27/06/2011	Address of Applicant: Wittelsbacherplatz 2 80333 München
(33) Name of priority country	:EPO	Germany
(86) International Application No	:PCT/EP2012/060738	(72)Name of Inventor:
Filing Date	:06/06/2012	1)WEINZIERL Klaus
(87) International Publication No	:WO 2013/000677	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1111	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A flat rolling stock (4) consisting of metal passes through roll stands (3) of a finishing train (1), and a cooling section (2), in succession. Initial values (T1) which characterise the energy content of rolling stock points (13) are determined, at the latest, when said rolling stock points (13) enter into the finishing train (1), these rolling stock points (13) being tracked as they pass through said finishing train (1) and cooling section (2). The initial values (T1), the trackings, and energy content influences (E) to which the rolling stock points (13) are subjected in the finishing train (1) and the cooling section (2), are fed to a model (15) which, as the rolling stock points (13) pass through the hot strip rolling line, is used to determine, continuously and in real time, expected values (T2) for the energy contents of the rolling stock points (13) at any given time. The energy contents expected for a predetermined location (P), which lies between the first roll stand (3) and the first cooling device (5) of the cooling section (2), are ascertained and, using these energy contents, a target energy content progression (E) is determined for each of the rolling stock points (13), from the predetermined location (P) until the rolling stock point (13) in question passes out of the cooling section (2). Corresponding energy content influences (E) are determined for said rolling stock points (13) depending on the target energy content progressions (E) that have been determined. The downstream cooling devices (5, 8) are controlled accordingly.

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

(21) Application No.3552/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/12/2013 (43) Publication Date: 11/04/2014

# (54) Title of the invention: IMMUNITY INDUCING AGENT

(51) International :A61K39/00,A61K31/7088,A61K35/76

classification (31) Priority Document

:2011112181

(32) Priority Date :19/05/2011

(33) Name of priority

:Japan

country (86) International

:PCT/JP2012/062750

Application No Filing Date

:18/05/2012

(87) International

:WO 2012/157737 **Publication No** 

(61) Patent of Addition to Application Number

:NA :NA

Filing Date (62) Divisional to :NA

**Application Number** :NA Filing Date

(71)Name of Applicant:

1)TORAY INDUSTRIES INC.

Address of Applicant: 1 1 Nihonbashi Muromachi 2 chome

Chuo ku Tokyo 1038666 Japan

(72)Name of Inventor:

1)KURIHARA Akira

2)OKANO Fumiyoshi

# (57) Abstract:

Provided is a novel immunity inducing agent that is useful as a cancer treatment and/or prevention agent or the like. The immunity inducing agent contains as an active ingredient: at least one polypeptide having immunity inducing activity and selected from polypeptides (a) (b) and (c) namely (a) a polypeptide comprising at least seven successive amino acids in the amino acid sequence indicated by sequence number 4, 2, 8, 10 or 12 in the sequence table (b) a polypeptide comprising at least seven amino acids and having a sequence identity of at least 85% with respect to polypeptide (a) and (c) a polypeptide containing polypeptide (a) or (b) as a partial sequence; or a recombinant vector that can express the polypeptide in vivo and contains a polynucleotide that codes for the polypeptide.

No. of Pages: 86 No. of Claims: 8

(21) Application No.3557/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :04/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: HIGH STRENGTH HOT ROLLED STEEL SHEET FOR WELDED STEEL LINE PIPE HAVING EXCELLENT SOURING RESISTANCE AND METHOD FOR PRODUCING SAME

(51) International classification: C22C38/00,C21D8/02,C22C38/14 (71)Name of Applicant:

:WO 2013/002413

(31) Priority Document No :2011145823 (32) Priority Date :30/06/2011

(33) Name of priority country: Japan

(86) International Application :PCT/JP2012/067024

No :27/06/2012 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)JFE STEEL CORPORATION

Address of Applicant: 2 3 Uchisaiwai cho 2 chome Chiyoda

ku Tokyo 1000011 Japan (72)Name of Inventor: 1)NAKATAHiroshi

2)SHIBATATomoaki

#### (57) Abstract:

Provided is a thick walled hot rolled steel sheet for a line pipe having excellent souring resistance. The thick walled hot rolled steel sheet has a composition which contains 0.01 to 0.07% of C 0.40% or less of Si 0.5 to 1.4% of Mn 0.1% or less of Al 0.01 to 0.15% of Nb 0.1% or less of V 0.03% or less of Ti and 0.008% or less of N in which Nb V and Ti satisfy Nb + V + Ti < 0.15 and in which Cm is 0.12 or lower has a structure in which the areal ratio of a bainite phase or a bainitic ferrite phase is 95% or higher has high strength and high toughness whereby the maximum hardness in the sheet thickness direction is 220 HV or lower and the yield strength is 450 MPa or higher and has excellent souring resistance.

No. of Pages: 37 No. of Claims: 6

(21) Application No.3700/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :13/12/2013 (43) Pul

(43) Publication Date: 11/04/2014

# (54) Title of the invention: HAIR IRON

(51) International classification	:A45D1/04,A45D1/08	(71)Name of Applicant:
(31) Priority Document No	:2020110004204	1)JOO Jong Hyun
(32) Priority Date	:17/05/2011	Address of Applicant :740 6 Daerim 3 dong Yeongdeungpo gu
(33) Name of priority country	:Republic of Korea	Seoul 150 073 Republic of Korea
(86) International Application No	:PCT/KR2012/003453	2)CHAE Min Gi
Filing Date	:03/05/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2012/157865	1)JOO Jong Hyun
(61) Patent of Addition to Application	:NA	2)CHAE Min Gi
Number	:NA	
Filing Date	.11/1	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A hair iron according to the present invention comprises: one pair of main bodies rotatably hinged to each other; heat plates disposed on the main bodies; and supporting means each being arranged between one of the main bodies and one of the heat plates and supporting the longitudinal center of each of the heat plate. Accordingly elastic members each supporting the longitudinal center of each of the heat plates are disposed between the main bodies and the heat plates thus enabling the pair of heat plates to come into contact with each other evenly according to the seesaw principle which has the effect of transmitting heat generated from the heat plates and pressure uniformly to hair.

No. of Pages: 19 No. of Claims: 12

(21) Application No.3673/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :12/12/2013 (43) Publication Date : 11/04/2014

# (54) Title of the invention : EXTENDING THE CONTROL CHANNEL REGION OF A COMMUNICATIONS SYSTEM IN BACKWARDS COMPATIBLE MANNER

(51) International classification :H04L5/00 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :PCT/SE2011/Filing Date :22/06/2011 (87) International Publication No :WO 2012/177 (61) Patent of Addition to Application Number Filing Date :NA (62) Divisional to Application Number Filing Date :NA Filing Date :NA	2)FRENGER PÅI
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#### (57) Abstract:

In a method of adapting a control channel in a network node in a communication system providing (S20) a control format indicator for the control channel and dynamically determining and providing (S10) control channel redefinition information which control channel redefinition information together with said control format indicator provides a redefined control channel. Subsequently the control channel is adapted (S30) based on said control format indicator and said control channel redefinition information to provide a redefined control channel for signaling to said at least one user equipment Finally scheduling (S40) user equipment in a sub frame based on the redefined control channel.

No. of Pages: 27 No. of Claims: 14

(21) Application No.3675/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/12/2013 (43) Publication Date: 11/04/2014

# (54) Title of the invention: CUTTING BODY CONFIGURED FOR FINE TUNING

(51) International classification :B23C5/00,B23C5/24,B23C5/08 (71)Name of Applicant :

(31) Priority Document No :61/509261

(32) Priority Date :19/07/2011

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

(86) International Application No: PCT/IL2012/000276

Filing Date :08/07/2012

(87) International Publication No: WO 2013/011499

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

(62) Divisional to Application :NA Number

:NA Filing Date

1)ISCAR LTD.

Address of Applicant :P.O. Box 11 24959 Tefen Israel

(72)Name of Inventor:

1)ATHAD Shimon

# (57) Abstract:

A cutting body (12) for a metal working machine tool includes a cutting portion (16) extending from a body portion (14). The body portion (14) is configured to fine tune the position of the cutting portion (16). The body portion (14) includes an inner sub portion (39) and an outer sub portion (40) disposed between the inner sub portion (39) and the cutting portion (16). The outer sub portion (40) includes adjacent first and second sections (40A 40B). The first section (40A) is configured to elastically bend extends between the inner sub portion (39) and the cutting portion (16) and comprises a face adjacent the second section (40B). The second section (40B) includes a biasing surface (35) and a biasing sub portion (36A) configured to hold a biasing member (17). When the biasing sub portion (36A) is moved due to biasing of the biasing member (17) against the biasing surface (35) the first section (40A) is configured to bend and thereby change position of the cutting portion (16) extending therefrom and allow fine tuning thereof.

No. of Pages: 20 No. of Claims: 23

(21) Application No.826/KOLNP/2008 A

(19) INDIA

(22) Date of filing of Application :22/02/2008

(43) Publication Date: 11/04/2014

# (54) Title of the invention: APPARATUS FOR INJECTING A PHARMACEUTICAL

Address of Applicant :Lilly Corporate Center Indianapolis Indiana 46285 U.S.A.  US2006/039390 2006 1)JAMES, Adrian, Benton 2)LISTER, Robert, Ian 3)MACDONALD, Peter, Scott
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# (57) Abstract:

A pharmaceutical delivery apparatus including a housing, a syringe assembly, and a needle cap. The syringe assembly is plungeable relative to the housing from a first position, at which its needle tip is disposed within the housing, to a second position, at which its needle tip projects from the housing beyond the proximal end for insertion into an injection site. A base of the needle cap is exposed at the housing proximal end to be manually grippable for cap removal. A needle cap stem is upstanding from the base and sized and configured to insert through an opening is the housing proximal end to cover the needle tip when the syringe assembly is disposed in the first position.

No. of Pages: 64 No. of Claims: 9

(21) Application No.3775/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: WOUND SPRAY

(51) International :A61K38/42,A61K33/00,A61P17/02 classification

(31) Priority Document No :11006057.1

(32) Priority Date :23/07/2011 (33) Name of priority country: EPO

(86) International :PCT/EP2012/003086

Application No :23/07/2012

Filing Date

(87) International Publication :WO 2013/013799

(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)SASTOMED GMBH

Address of Applicant : Brüsseler Strasse 2 49124

Georgsmarienhütte Germany (72)Name of Inventor: 1)SANDER Michael

2)PÖTZSCHKE Harald

# (57) Abstract:

The present invention refers to a composition, comprising hemoglobin or myoglobin, wherein in at least 40% of said hemoglobin or myoglobin the oxygen binding site is charged by a non-02 ligand, and at least one further ingredient, a method for preparing said composition and the use of hemoglobin or myoglobin charged with a non-oxygen ligand for external treatment of wounds.

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

(21) Application No.3776/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :23/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: IMPLANTABLE VASCULAR STENT

(51) International classification		(71)Name of Applicant:
(31) Priority Document No	:10 2011 107 109.5	1)TRANSLUMINA GMBH
(32) Priority Date	:12/07/2011	Address of Applicant :Neue Rottenburger Straße 50 72379
(33) Name of priority country	:Germany	Hechingen Germany
(86) International Application No	:PCT/EP2012/063108	(72)Name of Inventor:
Filing Date	:05/07/2012	1)BADER Christian
(87) International Publication No	:WO 2013/007589	2)BEHNISCH Boris
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The invention relates to a radially expandable vascular stent which is provided to be implanted in a vessel and which when expanded lies within and against the wall of said vessel. The vascular stent is provided with a coating consisting of a bioresorbable oligomer binder and an active substance which is applied to its surface.

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

(21) Application No.3702/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 13/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: PREPARATION OF SITAGLIPTIN INTERMEDIATES

(51) International :C07C229/34,C07C239/20,C07C271/22 classification

:11167798.5

(31) Priority Document

No

(32) Priority Date :27/05/2011

(33) Name of priority :EPO country

(86) International

:PCT/EP2012/059802 Application No

:25/05/2012 Filing Date

(87) International

:WO 2012/163815 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)LEK PHARMACEUTICALS D.D.

Address of Applicant : Verovskova 57 1526 Ljubljana Slovenia

(72)Name of Inventor: 1)CASAR Zdenko

2)STAVBER Gaj

# (57) Abstract:

The invention relates to the preparation of chiral compounds in particular to the preparation of chiral compounds which may be used as intermediates for the preparation of anti diabetic agents preferably sitagliptin.

No. of Pages: 53 No. of Claims: 17

(21) Application No.3704/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :16/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention : METHOD FOR THE PRODUCTION OF A LOADING DOOR AND LOADING DOOR FOR A LAUNDRY TREATMENT 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</li></ul>	:D06F39/14,D06F58/04 :10 2011 078 918.9 :11/07/2011 :Germany :PCT/EP2012/062306	(71)Name of Applicant:  1)BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH Address of Applicant: Carl Wery Str. 34 81739 München Germany (72)Name of Inventor:
Filing Date (87) International Publication No	:26/06/2012 :WO 2013/007510	1)EDIGER Rainer 2)KORTE Martin
(61) Patent of Addition to Application Number Filing Date	:NA :NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

#### (57) Abstract:

The invention relates to a method for producing a loading door (1) as well as a loading door (1) for a laundry treatment machine comprising a door frame (2) and an insert (6) mounted within the door frame (2). The door frame (2) comprises at least an inner frame part (3) and an outer frame part (4) between which the insert (6) is introduced in such a way that at least one support surface (10) thereof rests on multiple support zones (20) of the door frame. In order to create a loading door the thickness of which can always be adjusted within a given desired measure while allowing for compensation of the tolerance of the dimensions of the insert and which meets the design requirements insofar as the inner frame part and the outer frame part rest on each other without a joint or a gap forming therebetween at least the material of the support zones (20) is brought into a temporarily plastically deformable state before the frame parts (3 4) are joined. Once the insert (6) has been introduced forces are applied to the support zones (20) in such a way that the support zones (20) conform to the geometry of the insert (6) and the door thickness attains the given desired measure (28).

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

(21) Application No.3706/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 16/12/2013 (43) Publication Date: 11/04/2014

# (54) Title of the invention: HYDRAULIC SYSTEMS UTILIZING COMBINATION OPEN AND CLOSED LOOP PUMP **SYSTEMS**

(51) International :F15B21/08,F15B15/18,F15B13/044

classification

(31) Priority Document No :61/503761 (32) Priority Date :01/07/2011

(33) Name of priority country:U.S.A. (86) International

:PCT/US2012/044888 Application No

:29/06/2012 Filing Date

(87) International Publication :WO 2013/006423

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) EATON CORPORATION

Address of Applicant: 1111 Superior Avenue Eaton Center

Cleveland OH 44114 2584 U.S.A.

(72)Name of Inventor:

1)DYBING Philip James

#### (57) Abstract:

A pump system includes a closed loop fluid circuit and an open loop fluid circuit. The closed loop fluid circuit includes a motor for rotating a first component connected to the closed loop fluid circuit. A closed loop pump drives the motor up to a first maximum rotational speed. The open loop fluid circuit includes an open loop pump for driving a second component connected to the open loop fluid circuit. A control circuit includes a control valve for switching the outflow from the open loop pump. The control valve selectively connects the open loop pump to the closed loop fluid circuit and simultaneously disconnects the open loop pump from the open loop fluid circuit. When the open loop pump is connected to the closed loop circuit the closed loop pump and the open loop pump drive the motor at a second rotational speed greater than the first maximum rotational speed.

No. of Pages: 29 No. of Claims: 19

(21) Application No.3835/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 27/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: CHIP FOR MEASURING NUMBER OF MICROORGANISMS AND APPARATUS FOR MEASURING NUMBER OF MICROORGANISMS USING SAME

(51) International :C12M1/34,G01N15/14,G01N27/02 classification

(31) Priority Document No :2011171578

(32) Priority Date :05/08/2011 (33) Name of priority country: Japan

(86) International Application :PCT/JP2012/004761

No :26/07/2012

Filing Date

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

(62) Divisional to Application :NA Number :NA

(87) International Publication: WO 2013/021566

Filing Date

(71)Name of Applicant:

1)PANASONIC CORPORATION

Address of Applicant: 1006 Oaza Kadoma Kadoma shi Osaka

5718501 Japan

(72)Name of Inventor:

1)TAKESHITA Toshiaki

2)KITA Junichi 3)MORITA Hidenori 4)OOUCHI Kazufumi

#### (57) Abstract:

This apparatus for measuring the number of microorganisms is provided with: a long board-like chip main body (15A); a measuring electrode (16), which is provided on the first end side of the chip main body (15A) surface, said first end side being in the longitudinal direction of the chip main body surface, and is immersed in a measuring liquid; and a connecting electrode (17), which is connected to the measuring electrode (16), and is provided on the second end side of the chip main body (15A) surface, said second end side being in the longitudinal direction of the chip main body surface. On the second end side of the chip main body (15A) surface, said second end side being in the longitudinal direction of the chip main body surface, grounding electrodes (37A, 37B) are provided. Conductive patterns (34A, 34B, 34C) that are provided on an outer circumferential portion of the measuring electrode (16) are connected to the grounding electrodes (37A, 37B).

No. of Pages: 53 No. of Claims: 20

(21) Application No.3820/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: NEEDLE SHEATH REMOVER ASSEMBLY

(51) International classification	:A61M5/32	(71)Name of Applicant:
(31) Priority Document No	:1150630-0	1)SHL GROUP AB
(32) Priority Date	:05/07/2011	Address of Applicant :IP Department, Box
(33) Name of priority country	:Sweden	1240, Augustendalsvgen 19, S-13128 Nacka Strand Sweden
(86) International Application No	:PCT/SE2012/050655	Sweden
Filing Date	:15/06/2012	(72)Name of Inventor:
(87) International Publication No	:WO 2013/006119	1)BOSTRÖM,Anders
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.1171	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

The invention relates to a needle sheath remover comprising a cap (10) removably attached to a housing of a medicament delivery device, a sheath grabber (20) connected to said cap and configured to be engageable to a needle sheath (42) of a medicament container positioned (46) within said medicament delivery device, wherein the cap and the sheath grabber are axially movable in relation to each other and wherein the sheath grabber and the cap are configured to interact with each other such that upon removal of the cap from the housing, the sheath grabber is capable of engaging and removing said needle sheath.

No. of Pages: 24 No. of Claims: 15

(21) Application No.3821/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: DYE ADSORPTION DEVICE AND DYE ADSORPTION METHOD

:NA

(51) International classification :H01M14/00,H01L31/04 (71)Name of Applicant :

(31) Priority Document No :2011-144542 (32) Priority Date :29/06/2011

(32) Priority Date :29/06/2011 (33) Name of priority country :Japan

(86) International Application No
Filing Date

Stephan

::CT/JP2012/002809
:24/04/2012

(87) International Publication No :WO 2013/001699

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

Address of Applicant :3-1 Akasaka 5-chome, Minato-ku, Tokyo 1076325, JAPAN

1)TOKYO ELECTRON LIMITED

(72)Name of Inventor: 1)FURUTANI,Goro

# (57) Abstract:

Filing Date

The purpose of the present invention is to improve the throughput of a dye adsorption process in which a dye is adsorbed in a porous semiconductor layer on a substrate and to improve dye use efficiency. In a dye adsorption device of the present invention, a dye solution drop-coating unit (12) performs a first process (dye solution drop coating process) on an unprocessed substrate (G) carried in the dye adsorption device (10), in which a dye solution is dropped and coated on a porous semiconductor layer on the substrate (G). A solvent evaporating/removing unit (14) performs a second process (solvent removing process) in which a solvent is evaporated and removed from the dye solution coated on the semiconductor layer on the substrate (G). A rinsing unit (16) performs a third process (rinsing process) in which unnecessary or extra dye attached to the surface of the semiconductor layer on the substrate (G) is rinsed and removed.

No. of Pages: 42 No. of Claims: 20

(21) Application No.3822/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :24/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD FOR PRODUCING CAROTENOID 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>	:C12P23/00,C12R1/645 :2011-146313 :30/06/2011 :Japan :PCT/JP2012/066797 :29/06/2012 :WO 2013/002398 :NA :NA	(71)Name of Applicant:  1)KANEKA CORPORATION Address of Applicant: 2-3-18,Nakanoshima,Kita-ku,Osaka, 5308288,JAPAN (72)Name of Inventor: 1)KANAYA Kento 2)KINOSHITA Koichi 3)HIRANO Masaru
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# (57) Abstract:

The present invention provides a production method capable of the efficient industrial scale production of a natural carotenoid composition containing a large quantity of astaxanthin and the like from a culture of yeast in the genus without necessitating the use of an organic solvent harmful to the human body and without requiring a complicated purification step or specialized extraction facilities. The method for producing a carotenoid composition is characterized by washing yeast in the genus containing a carotenoid using an organic solvent (A) at a temperature of no greater than 30°C and then extracting the carotenoid in the yeast by means of an organic solvent (B) at a temperature of 10 70°C.

No. of Pages: 65 No. of Claims: 14

(21) Application No.3616/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 11/12/2013 (43) Publication Date: 11/04/2014

# (54) Title of the invention: PROCESS FOR PRODUCING INORGANIC PARTICULATE MATERIAL

(51) International classification :C01B33/193,C01B33/143

 (31) Priority Document No
 :11003961.7

 (32) Priority Date
 :13/05/2011

 (33) Name of priority country
 :EPO

(86) International Application No :PCT/EP2012/001769 Filing Date :25/04/2012

(87) International Publication No :WO 2012/156023

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

(71)Name of Applicant:

1)MERCK PATENT GMBH

Address of Applicant :Frankfurter Strasse 250 64293

Darmstadt Germany (72)**Name of Inventor:** 

1)MAIO Mario 2)BREININGER Eugenia

3)CABRERA PEREZ Karin

4)LANG Ulrich 5)PETERS Benjamin 6)PUCHERT Thomas 7)SAAL Christoph 8)SCHULZ Michael

#### (57) Abstract:

The present invention is directed to a process for producing inorganic particulate material the material obtainable by such process a modified release delivery system comprising the material and the use of the material for the administration of a bioactive agent.

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

(21) Application No.3725/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 16/12/2013 (43) Publication Date: 11/04/2014

# (54) Title of the invention: METHOD AND MODULE FOR ESTIMATING FREQUENCY BIAS IN A DIGITAL TELECOMMUNICATIONS SYSTEM

(51) International :H04L27/18,H04L27/22,H04L27/233

 $\cdot NA$ 

classification

(31) Priority Document No :1156304 (32) Priority Date :11/07/2011

(33) Name of priority :France country

(86) International

:PCT/EP2012/063194 Application No :05/07/2012

Filing Date

(87) International

:WO 2013/007613 Publication No

(61) Patent of Addition to Application Number

:NA Filing Date

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

(71)Name of Applicant:

1)SIGFOX

Address of Applicant: 425 rue Jean Rostand F 31670 Labege

(72)Name of Inventor: 1)ARTIGUE Cédric 2)FOURTET Christophe 3)VERTES Marc

(57) Abstract:

The invention relates to a method (30) for estimating frequency bias negatively affecting a digital signal representative of a symbol frame wherein said method (30) comprises the steps of: (300) generating the digital signal at a sampling period Te that is shorter than a predefined period of each of the symbols of the frame; (302) calculating values for a plurality of pairs of samples of the digital signal each value being representative of a phase difference between the samples of a pair; (304) estimating the frequency bias negatively affecting the digital signal on the basis of the values calculated for Np pairs of samples selected such that a plurality of said Np pairs belong strictly to a single symbol in the frame. The present invention also relates to a module (217) for implementing the estimation method (30) as well as to a telecommunication method (40) and system (1).

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

(21) Application No.3726/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application: 17/12/2013 (43) Publication Date: 11/04/2014

# (54) Title of the invention: REFRIGERATION APPLIANCE HAVING A PLURALITY OF CHAMBERS

(51) International :F25D29/00,F25D11/02,F25D17/04

classification (31) Priority Document No :10 2011 079 206.6

(32) Priority Date :14/07/2011 (33) Name of priority country: Germany

(86) International Application :PCT/EP2012/063175

No :05/07/2012 Filing Date

(87) International Publication: WO 2013/007608

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

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

(71)Name of Applicant:

1)BSH BOSCH UND SIEMENS HAUSGERÄTE GMBH

Address of Applicant: Carl Wery Str. 34 81739 München

Germany

(72)Name of Inventor: 1)TAMBORLIN Denis

# (57) Abstract:

The invention relates to a refrigeration appliance (1) in particular domestic appliance having a first chamber (3) to be cooled and a second chamber (5) to be cooled a coolant circuit for cooling the chambers (3 5) which has a compressor (7) for compressing coolant vapour a condenser (9) for condensing the coolant vapour which is arranged downstream of the compressor (7) and an evaporator (11) for evaporating the condensed coolant which is arranged downstream of the condenser (9) and upstream of the compressor (7) wherein a first sensor (17) is provided for detecting a first temperature in the first chamber (3) and a second sensor (19) is provided for detecting a second temperature in the second chamber (5) wherein a valve (21) is arranged between the condenser (9) and the evaporator (11) which valve conducts the coolant flowing out of the condenser (9) via a first coolant duct (31) or a second coolant duct (33) to the evaporator (11) depending on the first temperature and/or on the second temperature.

No. of Pages: 17 No. of Claims: 16

(21) Application No.3592/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :07/12/2013

(43) Publication Date: 11/04/2014

# (54) Title of the invention: JOINT PROCESSING IN COOPERATIVE RADIO COMMUNICATIONS NETWORKS

(51) International classification	:H04L1/00,H04B7/15	(71)Name of Applicant:
(31) Priority Document No	:NA	1)TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)
(32) Priority Date	:NA	Address of Applicant :S 164 83 Stockholm Sweden
(33) Name of priority country	:NA	(72)Name of Inventor:
(86) International Application No	:PCT/SE2011/050627	1)OSSEIRAN Afif
Filing Date	:18/05/2011	2)BEN SLIMANE Slimane
(87) International Publication No	:WO 2012/158082	
(61) Patent of Addition to Application	:NA	
Number	:NA	
Filing Date	.IVA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

# (57) Abstract:

A first radio frequency RF signal is directly received from a first source radio node in a radio destination node. The first RF signal includes a coded first source information signal. A second RF signal is directly received from a second source radio node that includes a coded second source information signal. A third RF signal is received from an intermediate network node that includes a network coded signal which is a combined coded information signal generated at the intermediate node after demodulating the coded first source information signal and the coded second source information signal received from the first and second source radio nodes. The coded first source information signal the coded second source information signal and the combined coded information signal are jointly processed to produce the first and second source information signals.

No. of Pages: 30 No. of Claims: 29

(21) Application No.3593/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/12/2013 (43) Publication Date: 11/04/2014

# (54) Title of the invention: DISCHARGE DEVICE FOR MEDIA

(51) International :A61M15/00,H02K7/116,H02K7/18

classification

(31) Priority Document No :10 2011 079 950.8 (32) Priority Date :27/07/2011 (33) Name of priority country: Germany

(86) International Application :PCT/EP2012/061572

No :18/06/2012 Filing Date

(87) International Publication: WO 2013/013892

(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)APTAR RADOLFZELL GMBH

Address of Applicant :Öschlestraße 54 56 78315 Radolfzell

Germany

(72)Name of Inventor: 1)HEISEL Thomas 2)KOHNLE Jörg

Discharge device for liquid pasty or powdered media with a housing a discharge opening (10b) for discharging the medium a reservoir (14a) for storing the medium before its discharge and a linearly movable handle (10) which causes medium to be conveyed from the reservoir to the discharge opening wherein the discharge device has an electrical load (20 24) and a converter (50) which is designed to convert the mechanical energy introduced at the handle into electrical energy for feeding the electrical load wherein a gear (30) is provided for supplying the mechanical energy introduced at the handle to the converter by means of which gear (30) the linear movement of the handle or of a tensioning member (440) of a spring energy store that can be tensioned by means of the handle is converted into a non rotatory oscillating movement of a pendulum member (36) and the converter is designed to convert the mechanical energy of the oscillating pendulum member into electrical energy.

No. of Pages: 32 No. of Claims: 9

(21) Application No.3594/KOLNP/2013 A

(19) INDIA

(22) Date of filing of Application :09/12/2013 (43) Publication Date: 11/04/2014

# (54) Title of the invention: TOBACCO MATERIAL CONTAINING NON ISOMETRIC CALCIUM CARBONATE MICROPARTICLES

(51) International :A24B3/14,A24B15/12,A24B15/24

classification (31) Priority Document No

:61/495419 :10/06/2011

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

(86) International Application

:PCT/US2012/041463

Filing Date

:08/06/2012

(87) International Publication

:WO 2012/170761

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

(62) Divisional to Application :NA Number :NA

Filing Date

(71)Name of Applicant:

1)SCHWEITZER MAUDUIT INTERNATIONAL INC.

Address of Applicant: 100 North Point Center East Suite 600

Alpharetta Georgia 30022 U.S.A.

(72)Name of Inventor:

1)ROUILLARD Stephane

2)RAVERDY LAMBERT Diane M.

3)RIGOULAY Christophe

4) GUITTON Johan

5)ROUSSEAU Cedric

#### (57) Abstract:

A smoking article formed from a tobacco material that includes tobacco non isometric precipitated calcium carbonate microparticles is provided. The non isometric microparticles typically have a mean diameter of from about 50 nanometers to about 3 micrometers in some embodiments from about 80 nanometers to about 1 micrometer in some embodiments from about 100 nanometers to about 400 nanometers and in some embodiments from about 200 nanometers to about 300 nanometers. Such non isometric particles may have an elongated morphology so that the length of the microparticles is greater than the diameter. This may be characterized by the aspect ratio of the microparticles (length divided by width) which is typically from about 1 to about 15 in some embodiments from about 2 to about 12 and in some embodiments from about 3 to about 10. For example the average length of the microparticles may range from about 100 nanometers to about 8 micrometers in some embodiments from about 300 nanometers to about 5 micrometers in some embodiments from about 500 nanometers to about 4 micrometers and in some embodiments from about 1 micrometer to about 3 micrometers.

No. of Pages: 17 No. of Claims: 18

# PUBLICATION U/R 84(3) IN RESPECT OF APPLICANTION FOR RESTORATION OF PATENT (DELHI)

Notice is hereby given that any person interested in opposing the following application for restoration of Patent under Section 60 of the Patent Act, 1970 may at any time within 2 months from the date of Publication of this notice, given notice to the Controller of Patent at the appropriate office on the prescribed form 14 under Rule 85 of the Patent Rules, 2003

PATENT NO.	APPLICANTS	TITLE	DATE OF CESSATION	APPROPRI ATE OFFICE
220141	CHAWLA SURESH(India	AN IMPROVED PROCESS (EXTRA LIGHT MASS TRANSIT SYSTEM)	18/05/2013	DELHI
244115	PANKAJ KUMAR(India	COIN-OPERATED VENDING MACHINE	03/04/2012	DELHI

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Ser ial Nu mb er	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	260179	4778/DELNP/2007	18/02/2006	24/02/2005	TECHNIQUES FOR DISTRIBUTING DATA AMONG NODES BASED ON DYNAMIC SPATIAL/ORGANIZATIO NAL STATE OF A MOBILE NODE	CISCO TECHNOLOGY, INC.	17/08/2007	DELHI
2	260180	276/DELNP/2006	21/06/2004	15/07/2003	A CONTROL SYSTEM FOR CONTROLLING A PACKET SWITCHED COMMUNICATIONS NETWORK	TELEFONAKTIEBOLAE T LM ERICSSON (PUBL)	17/08/2007	DELHI
3	260181	784/DELNP/2007	20/07/2005	20/07/2004	AN APPARATUS FOR PREDICTING A MOTION VETOR FOR A CURRENT BLOCK IN A VIDEO FRAME	QUALCOMM INCORPORATED,	03/08/2007	DELHI
4	260185	1791/DELNP/2007	30/12/2003	31/12/2002	AN ATM MEDIA CASSETTE IN AN AUTOMATED BANKING MACHINE	DIEBOLD INCORPORATED	31/08/2007	DELHI
5	260186	5877/DELNP/2006	24/06/2005	30/06/2004	A METHOD FOR FORMING DIFFERENT GATE DIELECTRICS WITH NMOS AND PMOS TRANSISTORS IN A COMPLEMENTARY METAL OXIDE SEMICONDUCTOR INTERGRATED CIRCUIT	INTEL CORPORATION	15/06/2007	DELHI
6	260187	3541/DELNP/2006	23/12/2003	23/12/2003	A METHOD FOR EFFECIENT ROUTING IN A MULTIPLE HOP WIRELESS COMMUNICATION NETWORK AND A NODE THEREOF	TELEFONAKTIEBOLAG ET LM ERICCSON (PUBL)	17/08/2007	DELHI
7	260191	2987/DEL/1998	09/10/1998	17/10/1997	CALCULATOR"	PATHS SAL OFFSHORE	01/08/2008	DELHI
8	260193	1811/DELNP/2006	03/09/2004	03/09/2003	A PANEL	MCKINLAY KING JULIAN,MICKINLAY CAMPBELL, ROSS,PICKFORD CHRISTIAN, MURRAY	24/08/2007	DELHI

9	260199	258/DEL/2006	31/01/2006		AN IMPROVED PROCESS FOR THE PREPARATION OF MAGNESIA (MgO)	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	10/08/2007	DELHI
10	260202	1571/DELNP/2006	21/09/2004	24/09/2003	MIXED REUSE OF FEEDER LINK AND USER LINK BANDWIDTH	QUALCOMM INCORPORATED	10/08/2007	DELHI
11	260216	3616/DELNP/2008	12/09/2006	07/11/2005	A PROCESS FOR MAKING NANOCOMPOSITE COMPOSITIONS	EXXONMOBIL CHEMICAL PATENTS INC.	15/08/2008	DELHI
12	260222	5686/DELNP/2006	29/03/2005	29/03/2004	USE OF A COMPOSITION WHICH REGULATES OXIDATION/ REDUCTION REACTIONS INTRACELLULARY AND/OR EXTRACELLULARLY IN A STAINING OR SORTING PROCESS	MONSANTO TECHNOLOGY	31/08/2007	DELHI
13	260223	5277/DELNP/2005	09/01/2004	21/05/2003	HIGH-STRENGTH COLD- ROLLED STEEL SHEET AND A HIGH-STRENGTH SURFACE TREATED STEEL SHEET	NIPPON STEEL CORPORATION	02/10/2009	DELHI

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Seri al Nu mbe r	Patent Numbe r	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriat e Office
1	260188	1138/MUMNP/2008	20/12/2006	22/12/2005	COMMUNICATIONS DEVICE CONTROL INFORMATION REPORTING RELATED METHODS AND APPARATUS	QUALCOMM INCORPORATED	19/09/2008	MUMBAI
2	260190	959/MUMNP/2010	09/12/2008	20/12/2007	CALCIUM-FORTIFIED BEVERAGE AND METHOD OF MAKING THEREOF	TROPICANA PRODUCTS, INC.	17/09/2010	MUMBAI
3	260192	295/MUMNP/2009	19/07/2007	24/08/2006	SELF-STABLE LIQUID SATIETY ENHANCING COMPOSITION	HINDUSTAN UNILEVER LIMITED	15/05/2009	MUMBAI
4	260194	1466/MUMNP/2008	05/01/2007	31/01/2006	AERATED COMPOSITION COMPRISING HYDROPHOBIN	HINDUSTAN UNILEVER LIMITED	10/10/2008	MUMBAI
5	260196	1129/MUMNP/2009	29/11/2007	21/12/2006	AN INSTANT FOOD HAVING A PARTICULATE PHASE AND A SOLUBLE PHASE WITH SELECTIVE SODIUM DISTRIBUTION	HINDUSTAN UNILEVER LIMITED	19/11/2010	MUMBAI
6	260198	2385/MUMNP/2008	08/06/2007	30/06/2006	A RECOMBINANT ESCHERICHIA COLI HOST CELL FOR PRODUCING AN ESCHERICHIA COLI L- ASPARAGINASE II ENZYME	SIGMA-TAU RARE DISEASES, S.A	06/03/2009	MUMBAI
7	260217	2050/MUMNP/2009	07/05/2008	07/05/2007	PROCESS FOR THE PREPARING DORZOLAMIDE	CIPLA LIMITED	11/06/2010	MUMBAI
8	260227	1412/MUM/2005	14/11/2005		AN IMPROVED PROCESS FOR PREPARATION OF S- ZOPICLONE (II)	EMCURE PHARMACEUTICALS LIMITED	27/07/2007	MUMBAI
9	260228	1546/MUMNP/2006	06/06/2005	18/06/2004	METHOD AND DEVICE FOR CARRYING OUT A CRYPTOGRAPHIC CALCULATION	могрно,	08/06/2007	MUMBAI

Following Patents have been granted and any person interested in opposing these patents under Section 25(2) may at any time within one year from the date of this issue, give notice to the Controller of Patents at the appropriate office, on the prescribed form-7 along with written statement and evidence, if any.

Ser ial Nu mb er	Patent Number	Application Number	Date of Application	Date of Priority	Title of Invention	Name of Patentee	Date of Publication of Abstract u/s 11(A)	Appropriate Office
1	260182	791/CHE/2005	23/06/2005	24/06/2004	PROCESS FOR THE PREPARATION OF MESOSTRUCTURED ALUMINOSILICATE MATERIAL	INSTITUT FRANCAIS DU PETROLE	27/07/2007	CHENNAI
2	260183	1312/CHENP/2 005	19/12/2003	20/12/2002	TREATMENT OF FABRICS, FIBERS, OR YARNS	NOVOZYMES NORTH AMERICA, INC.	27/07/2007	CHENNAI
3	260184	731/CHENP/200 7	16/06/2005	20/07/2004	A METHOD FOR PRODUCING SPRAY DRIED GRANULES OF MANGANOMANGANIC OXIDE PARTICLES	ELKEM AS	24/08/2007	CHENNAI
4	260195	4748/CHENP/2 008	09/08/2006	09/08/2006	DATA COMMUNICATIONS METHOD AND MOBILE COMMUNICATIONS SYSTEM	MITSUBISHI ELECTRIC CORPORATION	13/03/2009	CHENNAI
5	260197	4804/CHENP/20 06	28/06/2005	29/06/2004	POLYMER MATERIALS CONTAINING INORGANIC SOLIDS, AND PROCESS FOR THEIR PRODUCTION	SACHTLEBEN CHEMIE GMBH	05/10/2007	CHENNAI
6	260200	1454/CHENP/20 08	12/09/2006	26/09/2005	HYDROTREATING AND HYDROCRACKING PROCESS AND APPARATUS	HALDOR TOPSOE A/S	28/11/2008	CHENNAI
7	260201	2383/CHENP/20 07	11/10/2005	03/12/2004	PROCESS FOR MAKING PRESSURE SENSITIVE ADHESIVE HYDROGELS	3M INNOVATIVE PROPERTIES COMPANY	07/09/2007	CHENNAI
8	260203	175/CHE/2005	25/02/2005		A SYSTEM AND METHOD FOR AUTOMATICALLY DESTROYING PRINT/COPY JOB OUTPUTS THAT ARE LEFT UNUSED IN PRINTERS OR COPIERS	SAMSUNG R& D INSTITUTE INDIA BANGALORE PRIVATE LIMITED	16/03/2007	CHENNAI
9	260204	249/CHENP/20 07	20/06/2005	21/06/2004	A BONE PLATE FOR FIXATION OF A FRACTURED BONE	SYNTHES GMBH	24/08/2007	CHENNAI
10	260205	230/CHENP/20 08	12/06/2006	15/06/2005	ANTENNA SYSTEM FOR OPERATION IN THE HF FREQUENCY RANGE  SELEX COMMUNICATIONS S.p.A		19/09/2008	CHENNAI
11	260206	4158/CHENP/2 007	22/03/2006	22/03/2005	A NUCLEIC ACID CONSTRUCT, A RECOMBINANT EXPRESSION VECTOR AND A METHOD FOR PRODUCING A POLYPEPTIDE	NOVOZYMES A/S	16/11/2007	CHENNAI

12	260207	853/CHENP/20 08	14/06/2006	20/07/2005	CENTRIFUGAL CLUTCH DEVICE	EXEDY CORPORATION	28/11/2008	CHENNAI
13	260208	2045/CHENP/2 007	14/10/2005	14/10/2004	METHODS AND APPARATUS FOR DETERMINING, COMMUNICATING AND USING INFORMATION WHICH CAN BE USED FOR INTERFERENCE CONTROL PURPOSES	QUALCOMM Incorporated	07/09/2007	CHENNAI
14	260209	2992/CHENP/2 008	12/12/2006	15/12/2005	A FUEL CELL COMPONENT	SAINT-GOBAIN CERAMICS & PLASTICS, INC.	06/03/2009	CHENNAI
15	260210	822/CHENP/20 07	27/06/2005	27/08/2004	ARRANGEMENT WITH AT LEAST TWO COMMUNICATION MODULES EACH COMPRISING A COMMUNICATION INTERFACE ELEMENT	COMMUNICATION MODULES EACH COMPRISING A COMMUNICATION  ROBERT BOSCH GMBH 24/08/2		CHENNAI
16	260211	735/CHENP/20 07	22/08/2005	20/08/2004	SEMICONDUCTOR RADIATION DETECTOR WITH A MODIFIED		24/08/2007	CHENNAI
17	260212	2468/CHENP/2 007	12/12/2005	14/12/2004	GAMMA IMAGERY COMMISSARIAT A DEVICE I'ENERGIE ATOMIQUE		07/09/2007	CHENNAI
18	260213	3284/CHENP/2 008	29/11/2006	29/11/2005	METHOD OF LIQUID DISCHARGE AND LIQUID DISCHARGE HEAD  CANON KABUSHIKI KAISHA		06/03/2009	CHENNAI
19	260214	2059/CHENP/2 007	12/10/2005	14/10/2004	A METHOD OF OPERATING A WIRELESS COMMUNICATION		07/09/2007	CHENNAI
20	260215	787/CHE/2008	31/03/2008		A METHOD OF MANUFACTURING A MIRROR TO PERFORM SERS  JAWAHARLAL NEHRU CENTRE FOR ADVANCED SCIENTIFIC RESEARCH 09/10		09/10/2009	CHENNAI
21	260218	395/CHENP/20 07	16/06/2005	29/07/2004	OF MEDICAL MIXED  DEUTSCHLAND GMBH		24/08/2007	CHENNAI
22	260219	1018/CHENP/2 007	09/08/2005	10/08/2004	SOLUTIONS   POLYSULFONE-BASE   SELECTIVELY   PERMEABLE HOLLOW-FIBER MEMBRANE   MODULE AND PROCESS FOR PRODUCTION   THEREOF   SOLUTION   SOLUT		31/08/2007	CHENNAI

23	260220	534/CHE/2005	06/05/2005		A METHOD AND SYSTEM FOR DRAFTING OF SLIVER	PRABAHARAN BALAKRISHNAN,SREE AYYANAR SPINNING AND WEAVING MILLS LIMITED	25/01/2008	CHENNAI
24	260221	5318/CHENP/2 008	02/03/2007	03/03/2006	BROADBAND SINGLE VERTICAL POLARIZED BASE STATION ANTENNA	POWERWAVE TECHNOLOGIES, INC.	20/03/2009	CHENNAI
25	260225	1870/CHE/200 5	21/12/2005		SYSTEM AND METHOD OF MANAGING COMMUNICATION BETWEEN WIRELESS UNIVERSAL SERIAL BUS DEVICES IN A WIRELESS PERSONAL AREA NETWORK	SAMSUNG R&D INSTITUTE INDIA- BANGALORE PRIVATE LIMITED	31/08/2007	CHENNAI
26	260229	1165/CHENP/2 007	15/09/2005	20/09/2004	A RADIO COMMUNICATION SYSTEM, A RADIO STATION, AND A METHOD OF TRANSMITTING DATA	KONINKLIJKE PHILIPS ELECTRONICS N.V.	31/08/2007	CHENNAI

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Ser ial Nu mb er	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	260189	2886/KOLNP/2007	17/12/2001	31/01/2001	A PROCESS FOR PREPARATION OF AN ARYLETHANOLDIAMIN E COMPOUND	GLAXO GROUP LIMITED	19/10/2007	KOLKATA
2	260224	247/KOLNP/2008	26/05/2006	19/07/2005	PROCESS FOR PRODUCTION OF COKE AND PROCESS FOR PRODUCTION OF PIG IRON	KANSAI COKE AND CHEMICALS CO., LTD.,KABUSHIKI KAISHA KOBE SEIKO SHO	19/09/2008	KOLKATA
3	260226	355/KOLNP/2007	04/08/2005	05/08/2004	LYSIS/RESEALING PROCESS FOR PREPARING ERYTHROCYTES	ERYTECH PHARMA	06/07/2007	KOLKATA

**CONTINUED TO PART-2** 

# **CONTINUED FROM PART-1**

# **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.

# DESIGNS ACT 2000 (Under Section 31) RECTIFICATION OF REGISTER

Frito-Lay North America, Inc., incorporated in the state of Delaware, United State of America, filed a request on Form-17 on 28/03/2014 through their agent K. Muthu Selvam of K & S Partners, Gurgaon, for the Rectification of name of the Registered Proprietor in respect of Regd. Design number 251970 under sec.31 of the said Act in the Register of Designs is as follows:-

Design No.	<b>Entered name of the Registered Proprietor</b>	Changed to
251970	FRIO-LAY NORTH AMERICA, INC.	FRITO-LAY NORTH AMERICA, INC.

Notice of opposition to the Rectification of Register of Designs may be given as per rule 40 of the Designs Rules, 2001 as amended Design (Amendment) Rules, 2008.

# **COPYRIGHT PUBLICATION**

SL NO	CASE NUMBERS	RENEWED ON
1.	196572	14.03.2014
2.	196917	14.03.2014
3.	196953	14.03.2014
4.	194624	25.03.2014
5.	194625	25.03.2014
6.	194626	25.03.2014
7.	194627	25.03.2014
8.	194628	25.03.2014
9.	194629	25.03.2014
10.	195503	25.03.2014
11.	195504	25.03.2014
12.	195505	25.03.2014
13.	195506	25.03.2014
14.	195507	25.03.2014
15.	195508	25.03.2014

# THE DESIGNS ACT 2000 SECTION 30 DESIGN ASSIGNMENT

The Design stands in the name of SARTORIUS WEIGHING TECHNOLOGY GMBH registered under the Designs Act, 2000 has been assigned in the Register of Designs in the name as follows:-

Design No.	Class	Name
241877, 241882, 241879, 241876, 241878	241876, 241877-(14-02) 241878-(23-04) 241882-(24-99) 241879-(23-01)	SARTORIUS LAB INSTRUMENTS GMBH & CO. KG (A COMPANY INCORPORATED & EXISTING UNDER THE LAWS OF GERMANY) OF WEENDER LANDSTRASSE 94- 108, 37075 GOETTINGEN, GERMANY, GERMAN COMPANY

# **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		253	879	
CLASS		24-	01	Committee H.V
1)KONINKLIJKE PHILIPS ELE AND EXISTING UNDER THE LA NETHERLANDS, RESIDING AT EINDHOVEN, WHOSE POST-O AE EINDHOVEN, THE NETHERLA	<b>WS OF THE</b> FFICE ADDR	KINGDOM O	F THE	
DATE OF REGISTRATION		16/05	/2013	
TITLE		BOX FOR DEF	FIBRILLATOR	15
PRIORITY				
PRIORITY NUMBER	DATE	3	COUNTRY	
002137695-0001	16/11/	2012	OHIM	
DESIGN NUMBER		255	339	
CLASS		09-	.07	
1)OBRIST CLOSURES SWITZE ROMERSTRASSE 83, CH-4153,		,	,	
DATE OF REGISTRATION		18/07	/2013	
TITLE		CAP FOR	BOTTLE	Mmnnaaaaaaaa
PRIORITY				
PRIORITY NUMBER	DATE	ATE COUNTRY		
001359897-0001	01/02/2013	1/02/2013 EUROPEAN UNION		
DESIGN NUMBER		256	976	
CLASS		05-	05	81 /
1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA				
DATE OF REGISTRATION		30/09/2013		
TITLE		TEXTILE FABRIC		
PRIORITY NA				

DESIGN NUMBER	257086
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT

RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/09/2013
TITLE	TEXTILE FABRIC



#### PRIORITY NA

DESIGN NUMBER	257027	
CLASS	05-05	
1)M/S. BIBA APPARELS PRIVATE LIMITED. AN INDIAN PRIVATE LIMITED		

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT

RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/09/2013
TITLE	TEXTILE FABRIC



#### PRIORITY NA

DESIGN NUMBER	257089
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT

RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/09/2013
TITLE	TEXTILE FABRIC



DESIGN NUMBER	253358		
CLASS		15-99	
1)NOK CORPORATION, A JAPA 12-15, SHIBA DAIMON 1-CHOM			
DATE OF REGISTRATION	2.	3/04/2013	
TITLE	SEAL TO PREVEN	T LEAKAGE OF LIQUIDS	-
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
2012-026325	30/10/2012	JAPAN	
	T		
DESIGN NUMBER		257084	
CLASS		05-05	
RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA			
DATE OF REGISTRATION	30/09/2013		
TITLE	TEXTILE FABRIC		
PRIORITY NA			27774
DESIGN NUMBER		257109	
CLASS		05-05	
1)M/S. BIBA APPARELS PRIVAT COMPANY INCORPORATED UNI ACT, 1956, AND HAVING ITS'S RI RELIABLE HOUSE, SITUATED KANJURMARG (WEST), OPP. HUM INDIA	DER THE PROVISION EGISTERED OFFICE AT HANUMAN SILK N	N OF THE COMPANIES AT MILL COMPOUND,	
DATE OF REGISTRATION	30/09/2013		
21112 01 112010111111011		0,00,000	
TITLE		TILE FABRIC	TOTAL TOTAL TOTAL TOTAL TOTAL

DESIGN NUMBER	255901		
CLASS	09-03		
THE INDIAN COMPANIES ACT, 19	D. (A COMPANY INCORPORATED UNDER 056), A, SEWADHAM MARG, MANDOLI, DELHI-93		
DATE OF REGISTRATION	19/08/2013		
TITLE	CONTAINER	Constant of the last of the la	
PRIORITY NA			
DESIGN NUMBER	250857		
CLASS	09-01	5-12	
1)MOHAN MEAKIN LIMITED, A INDIAN COMPANIES ACT, 1956 IN ADDRESS: MOHAN NAGAR, GH	AZIABAD, U.P.		
DATE OF REGISTRATION	08/01/2013		
TITLE BOTTLE			
PRIORITY NA			
DESIGN NUMBER	257003		
CLASS	05-05		
1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA			
DATE OF REGISTRATION	30/09/2013		
TITLE	TEXTILE FABRIC		

DESIGN NUMBER	257040	
CLASS	05-05	
1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA		
DATE OF REGISTRATION	30/09/2013	
TITLE	TEXTILE FABRIC	
PRIORITY NA		umienmummum
DESIGN NUMBER	257102	
CLASS	05-05	Total Total
COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA		
DATE OF REGISTRATION	30/09/2013	CONTRACTOR OF THE
TITLE	TEXTILE FABRIC	11166 169
PRIORITY NA		
DESIGN NUMBER	256983	
CLASS	05-05	
1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA		
DATE OF REGISTRATION	30/09/2013	VAN VAN VAN
TITLE	TEXTILE FABRIC	/ <b>***</b>
PRIORITY NA		

DESIGN NUMBER	257032
CLASS	05-05
COMPANY INCORPORATED UND	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES
ACT, 1956, AND HAVING ITS'S RE	GISTERED OFFICE AT
	THANKINAAN CHUZ MILL COMPOLIND

RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/09/2013
TITLE	TEXTILE FABRIC



### PRIORITY NA

DESIGN NUMBER	257093
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT

RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/09/2013
TITLE	TEXTILE FABRIC



## PRIORITY NA

DESIGN NUMBER	254126
CLASS	12-16

# 1)BHARUCHA PERVEZ NARIMAN, AN INDIAN NATIONAL OF

703/A, ASTER, EVERSHINE PARK, PRATHMESH COMPLEX, VEERA DESAI ROAD, ANDHERI (W), MUMBAI, MAHARASHTRA, INDIA

DATE OF REGISTRATION	28/05/2013
TITLE	CENTRE STAND FOR TWO WHEELED VEHICLE



DESIGN NUMBER	2	255914	
CLASS	23-01		
1)OWN WATER (INDIA) PVT. LT THE INDIAN COMPANIES ACT, AT #1, CHANNAKESHAVA TOW GATE, HOSUR MAIN ROAD, BANGA	ER, 6TH CROSS, 1ST I	MAIN, CHIKKABEGUR	
DATE OF REGISTRATION	20/	/08/2013	1
TITLE	WATE	R PURIFIER	
PRIORITY NA			
DESIGN NUMBER	2	246972	
CLASS		12-16	
1)BELL HELICOPTER TEXTRON POST OFFICE BOX 482, FT. WOR			
DATE OF REGISTRATION	06/	/08/2012	/ 3//
TITLE	COCKPIT SEAT TRACKS		1 25 24
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
29/413,134	10/02/2012	U.S.A.	]
DESIGN NUMBER	256981		
CLASS	05-05		
1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA			
DATE OF REGISTRATION	30/09/2013		NONENDERDANDE
TITLE	TEXTILE FABRIC		A STATE OF THE STA
PRIORITY NA			Time

DESIGN NUMBER	257091	
CLASS	05-05	
COMPANY INCORPORATED UNI ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A	TE LIMITED, AN INDIAN PRIVATE LIMITED DER THE PROVISION OF THE COMPANIES EGISTERED OFFICE AT AT HANUMAN SILK MILL COMPOUND, A MALL, MUMBAI-400078 MAHARASHTRA,	
DATE OF REGISTRATION	30/09/2013	4 V
TITLE	TEXTILE FABRIC	
PRIORITY NA		
DESIGN NUMBER	256984	
CLASS	05-05	
ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUM INDIA		
DATE OF REGISTRATION	30/09/2013	WE THE PERSON NAMED IN
TITLE	TEXTILE FABRIC	
PRIORITY NA		<b>西京成市 京市 西西州市 田市 日本市 日本</b>
DESIGN NUMBER	257033	
CLASS	05-05	The State of the s
COMPANY INCORPORATED UNI ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A	TE LIMITED, AN INDIAN PRIVATE LIMITED DER THE PROVISION OF THE COMPANIES EGISTERED OFFICE AT AT HANUMAN SILK MILL COMPOUND, A MALL, MUMBAI-400078 MAHARASHTRA,	
DATE OF REGISTRATION	30/09/2013	
TITLE TEXTILE FABRIC		
PRIORITY NA		S. L. C. T. L. C.

DESIGN NUMBER		255041	
CLASS	24-02		A
1)NIPRO CORPORATION, 9-3, HONJONISHI 3-CHOME, KIT JAPANESE CORPORATION	`A-KU, OSAKA-SHI, C	OSAKA, JAPAN, A	
DATE OF REGISTRATION	05	5/07/2013	1
TITLE	INDWEL	LING NEEDLE	
PRIORITY			//
PRIORITY NUMBER	DATE	COUNTRY	V.
2013-000076	07/01/2013	JAPAN	64
DESIGN NUMBER		256980	
CLASS		05-05	
RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA			
	20.00.2015		
DATE OF REGISTRATION TITLE	30/09/2013 TEXTILE FABRIC		
PRIORITY NA			W. San
DESIGN NUMBER	257090		
CLASS	05-05		I VAL DE
1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA			
	30/09/2013		AND REAL PROPERTY AND REAL PRO
DATE OF REGISTRATION	30	0/09/2013	
DATE OF REGISTRATION TITLE		0/09/2013 TILE FABRIC	

DESIGN NUMBER	249684
CLASS	12-05

# 1)KONE CORPORATION, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF FINLAND, OF THE ADDRESS

KARTANONTIE 1, 00330 HELSINKI, FINLAND

DATE OF REGISTRATION	26/11/2012	
TITLE	DECORATIVE FILM USED FOR ESCALATORS, LIFTS AND MOVING WALKWAYS	



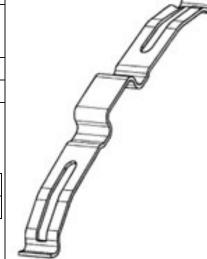
PRIORITY NUMBER	DATE	COUNTRY
002053827-0002	07/06/2012	EUROPEAN UNION

DESIGN NUMBER	255800
CLASS	12-16

### 1)WABCO GMBH,

AM LINDENER HAFEN 21, HANNOVER 30453, GERMANY, A GERMAN COMPANY

DATE OF REGISTRATION	13/08/2013
TITLE	DISC BRAKE ACCESSORY



### PRIORITY

PRIORITY NUMBER	DATE	COUNTRY
001361034-0001	15/02/2013	OHIM

DESIGN NUMBER	257103
CLASS	05-05

# 1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT

RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/09/2013
TITLE	TEXTILE FABRIC



DESIGN NUMBER		255205	
CLASS		23-04	
1)DYSON TECHNOLOGY LIMITITHE LAWS OF THE UNITED KING OF TETBURY HILL, MALMESBUKINGDOM	SDOM,		
DATE OF REGISTRATION	12	2/07/2013	
TITLE	HU	MIDIFIER	
PRIORITY	1		
PRIORITY NUMBER	DATE	COUNTRY	
001357941-0001	18/01/2013	OHIM	
DESIGN NUMBER		257000	
CLASS		05-05	RDACKS SAM
INDIA	BLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, ARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA,		
DATE OF REGISTRATION	30/09/2013		
TITLE	TEXTILE FABRIC		18 18 18 18 18 18 18 18 18 18 18 18 18 1
PRIORITY NA			
DESIGN NUMBER		257039	
CLASS		05-05	
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S REA RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA	<b>ER THE PROVISIO</b> G <b>ISTERED OFFICE</b> T HANUMAN SILK I	N OF THE COMPANIES AT MILL COMPOUND,	
DATE OF REGISTRATION	30	0/09/2013	Marie A. S.
TITLE	TEXT	TILE FABRIC	
PRIORITY NA			A STATE OF THE STA

DESIGN NUMBER	257101	
CLASS	05-05	
1)M/S. BIBA APPARELS PRIVAT COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA	**************************************	
DATE OF REGISTRATION	30/09/2013	
TITLE	TEXTILE FABRIC	*&&*\$ <i>&amp;</i> *
PRIORITY NA		
DESIGN NUMBER	256985	
CLASS	05-05	
RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUM. INDIA  DATE OF REGISTRATION		
TITLE	30/09/2013 TEXTILE FABRIC	\$200 0000000000000000000000000000000000
PRIORITY NA	TEATILE PADRIC	
DESIGN NUMBER	257034	
CLASS	05-05	
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A	E LIMITED, AN INDIAN PRIVATE LIMITED DER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT AT HANUMAN SILK MILL COMPOUND, A MALL, MUMBAI-400 078 MAHARASHTRA,	
DATE OF REGISTRATION	30/09/2013	
TITLE	TEXTILE FABRIC	
PRIORITY NA	•	THE PERSON NAMED IN

DESIGN NUMBER	257095	
<b>CLASS</b> 05-05		[4](4)(4)(4)(4)
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT AT HANUMAN SILK MILL COMPOUND, A MALL, MUMBAI-400078 MAHARASHTRA,	
DATE OF REGISTRATION	30/09/2013	
TITLE	TEXTILE FABRIC	
PRIORITY NA		
DESIGN NUMBER	256982	
CLASS	05-05	<b>建筑</b> <i>经</i>
ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA  DATE OF REGISTRATION		
TITLE	30/09/2013 TEXTILE FABRIC	
PRIORITY NA	TEATILETABLE	Sammanne P.
DESIGN NUMBER	257031	
CLASS	05-05	
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT AT HANUMAN SILK MILL COMPOUND, A MALL, MUMBAI-400078 MAHARASHTRA,	***
DATE OF REGISTRATION	30/09/2013	***************************************
TITLE	TEXTILE FABRIC	(五) (4) (4) (4)
PRIORITY NA		A THE WAY TO SHARE

DESIGN NUMBER	257092
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT

RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/09/2013	
TITLE	TEXTILE FABRIC	



#### PRIORITY NA

DESIGN NUMBER	256988
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT

RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/09/2013	
TITLE	TEXTILE FABRIC	



# PRIORITY NA

Dl	ESIGN NUMBER	257037
Cl	LASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT

RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA

DATE OF REGISTRATION 30/09/2013	
TITLE TEXTILE FABRIC	





DESIGN NUMBER	257099	
<b>CLASS</b> 05-05		41 10 6
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE- RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA		
DATE OF REGISTRATION	30/09/2013	
TITLE	TEXTILE FABRIC	· 管理管理等
PRIORITY NA		****
DESIGN NUMBER	256999	
CLASS	05-05	
COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA		
	ATE OF REGISTRATION 30/09/2013	
TITLE TEXTILE FABRIC		
PRIORITY NA		
DESIGN NUMBER	257038	
CLASS		
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE- RELIABLE HOUSE, SITUATED A	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT T HANUMAN SILK MILL COMPOUND, A MALL, MUMBAI-400078 MAHARASHTRA,	
DATE OF REGISTRATION	30/09/2013	33000000
TITLE	TEXTILE FABRIC	Company of the second
PRIORITY NA		*************

DESIGN NUMBER		257100	
CLASS		05-05	. 4 4 6 6 6 6 6
1)M/S. BIBA APPARELS PRIVAT COMPANY INCORPORATED UNI ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUM INDIA	DER THE PROVISIO EGISTERED OFFICE AT HANUMAN SILK	N OF THE COMPANIES AT MILL COMPOUND,	
DATE OF REGISTRATION	3	0/09/2013	
TITLE	TEX	ΓILE FABRIC	
PRIORITY NA			THE SECURITION OF
DESIGN NUMBER		256028	
CLASS		24-01	
1)ANALYTICA LIMITED A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF AUSTRALIA, HAVING ITS OFFICE AT 320 ADELAIDE STREET, BRISBANE QUEENSLAND 4000, AUSTRALIA DATE OF REGISTRATION 23/08/2013			
TITLE	PER	INEOMETER	
PRIORITY	.1		
PRIORITY NUMBER	DATE COUNTRY		
12210/2013	14/05/2013	AUSTRALIA	
DESIGN NUMBER		247958	
CLASS	19-06		6
1)SOCIETE BIC, A FRENCH COL OF 14 RUE JEANNE D'ASNIÈRE		ANCE	
DATE OF REGISTRATION	1	7/09/2012	///
TITLE	WRITING INSTRUMENT		///
PRIORITY			A/
	DATE COUNTRY		///
PRIORITY NUMBER	DATE	COUNTRY	

DESIGN NUMBER	256986	
CLASS	S 05-05	
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT AT HANUMAN SILK MILL COMPOUND, A MALL, MUMBAI-400078 MAHARASHTRA,	
DATE OF REGISTRATION	30/09/2013	
TITLE	TEXTILE FABRIC	るを軍物を害ち
PRIORITY NA		
DESIGN NUMBER	257035	
CLASS	05-05	
,	T HANUMAN SILK MILL COMPOUND, A MALL, MUMBAI-400078 MAHARASHTRA,	
DATE OF REGISTRATION	OF REGISTRATION 30/09/2013	
TITLE	TEXTILE FABRIC	STATE OF THE PARTY
PRIORITY NA		The second second
DESIGN NUMBER	257096	
CLASS	ASS 05-05	
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A	E LIMITED, AN INDIAN PRIVATE LIMITED ER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT ANUMAN SILK MILL COMPOUND, A MALL, MUMBAI-400078 MAHARASHTRA,	
DATE OF REGISTRATION	30/09/2013	SSISSISSIS
TITLE	TEXTILE FABRIC	
PRIORITY NA		<b>使是可以可以可以可以可以可以</b>

DESIGN NUMBER	255781
CLASS	02-04

#### 1)THAIKATTIL JOSE,

THAIKATTIL HOUSE, OLLUKARA P.O., THRISSUR, KERALA STATE 680655, INDIA, AN INDIAN NATIONAL

DATE OF REGISTRATION	13/08/2013
TITLE	FOOTWEAR



#### PRIORITY NA

DESIGN NUMBER	256987
CLASS	05-05

# 1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT

RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/09/2013	
TITLE	TEXTILE FABRIC	



# PRIORITY NA

DESIGN NUMBER	257036
CLASS	05-05

# 1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT

RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/09/2013
TITLE	TEXTILE FABRIC



DESIGN NUMBER		257098	
CLASS	05-05		A 12 61
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S REC RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA	ER THE PROVISION GISTERED OFFICE T HANUMAN SILK N	N OF THE COMPANIES AT MILL COMPOUND,	
DATE OF REGISTRATION	30	0/09/2013	
TITLE	TEXT	TILE FABRIC	THE WAY WE WAY
PRIORITY NA			***************************************
DESIGN NUMBER		246964	
CLASS	12-16		79
1)BELL HELICOPTER TEXTRON INC., A U.S. COMPANY, POST OFFICE BOX 482, FT. WORTH, TX, J76101, U.S.A.			
DATE OF REGISTRATION	06/08/2012		
TITLE	CYCLIC CONTROL POST AND GRIP ASSEMBLY FOR HELICOPTER		
PRIORITY			III
PRIORITY NUMBER	DATE	COUNTRY	
29/413,151	10/02/2012	U.S.A.	
DESIGN NUMBER 257087			NEX.
CLASS	05-05		NAC THE PARTY OF T
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S REC RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA	ER THE PROVISION GISTERED OFFICE T HANUMAN SILK N	N OF THE COMPANIES AT MILL COMPOUND,	
DATE OF REGISTRATION	30/09/2013		
TITLE	TEXT	TILE FABRIC	
PRIORITY NA			

DESIGN NUMBER	2.	54094	
CLASS	07-02		1
1)STRIX LIMITED, A BRITISH COMPANY,			
OF FORREST HOUSE, RONALDS		M9 2RG, GREAT BRITAIN	
DATE OF REGISTRATION	27/0	05/2013	
TITLE	CORDLESS	KETTLE BASE	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
002143792-0002	28/11/2012	OHIM	
DESIGN NUMBER	2:	57081	
CLASS	(	05-05	P - 4P - 4P
KANJURMARG (WEST), OPP. HUMA INDIA	F HANUMAN SILK MILL COMPOUND, MALL, MUMBAI-400078 MAHARASHTRA,		
DATE OF REGISTRATION	30/09/2013		
TITLE	TEXTILE FABRIC		
PRIORITY NA			
DESIGN NUMBER	257080		
CLASS	05-05		STATE OF THE PARTY AND THE PAR
1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA			
DATE OF REGISTRATION	30/09/2013		***
TITLE	TEXTILE FABRIC		
PRIORITY NA			. KSD2x

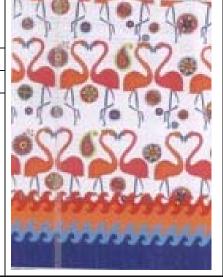
DESIGN NUMBER		257105	
CLASS	05-05		
1)M/S. BIBA APPARELS PRIVATI COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA	<b>ER THE PROVISION GISTERED OFFICE</b> T HANUMAN SILK N	N OF THE COMPANIES AT MILL COMPOUND,	
DATE OF REGISTRATION	30	0/09/2013	
TITLE	TEXT	ILE FABRIC	
PRIORITY NA			
DESIGN NUMBER		249395	
CLASS		24-99	
1)NOURI E. HAKIM A CITIZEN OF UNITED STATES OF AMERICA OF THE ADDRESS: 3030 AURORA AVENUE, MONROE, LA-71201, UNITED STATES OF AMERICA			
DATE OF REGISTRATION	09/11/2012		
TITLE	PACIFIER FOR SOOTHING INFANTS		
PRIORITY PRIORITY NUMBER	DATE COUNTRY		G TOWN
29/420,731	11/05/2012	U.S.A.	
DESIGN NUMBER		254212	
CLASS	09-07		
1)AVERY DENNISON CORPORATION, A DELAWARE CORPORATION OF 150 NORTH ORANGE GROVE BLVD., PASADENA, CALIFORNIA 91103, UNITED STATES OF AMERICA			
DATE OF REGISTRATION	31/05/2013		
TITLE	NOTCHED FASTENER STRIP		· White
PRIORITY NA			

DESIGN NUMBER	257082
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT

RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/09/2013	
TITLE	TEXTILE FABRIC	



#### PRIORITY NA

DESIGN NUMBER	257104
CLASS	05-05

1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT

RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/09/2013	
TITLE	TEXTILE FABRIC	



### PRIORITY NA

DESIGN NUMBER	255019
CLASS	07-02
CLASS	07-02

1)M/S. AIRIER NATURA PVT. LTD, REPRESENTED BY ITS DIRECTORS MR. RAVIPRAKASH BHAT AND MRS. SHYLAJA BHAT, INDIAN NATIONAL, HAVING OUR OFFICE

AT NO. 2 & 3, 4TH MAIN ROAD, AIRIER COMPLEX BALAJI LAYOUT, SANJAY NAGAR, BANGALORE-560094, KARNATAKA, INDIA

DATE OF REGISTRATION	05/07/2013	
TITLE	BIO-MASS STOVE	



DESIGN NUMBER		255933	
CLASS	09-05		_
1)NAVA HEALTH CARE PVT. LTD SITUATED AT 1105, 11TH FLOOR, KIRTI			
1)NAVA HEALTH CARE PVT. LT SHIKHAR BUILDING, DISTT. CEN (INDIA) A COMPANY INCORPORATED U ABOVE ADDRESS	RE, JANAK PURI, N	IEW DELHI-110058	000003
DATE OF REGISTRATION	2	1/08/2013	1
TITLE	BLI	STER PACK	
PRIORITY NA			
DESIGN NUMBER		256734	
CLASS		15-01	0
1)YANMAR CO., LTD., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN, OF 1-9, TSURUNOCHO, KITA-KU, OSAKA-SHI, OSAKA 5308311, JAPAN			
DATE OF REGISTRATION	2	4/09/2013	
TITLE	INTERNAL COMBUSTION ENGINE		7387
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
2013-6641	26/03/2013	JAPAN	
DESIGN NUMBER	254593		
CLASS	26-03		
1)GERARD LIGHTING PTY LTD, PO BOX 2369, KENT TOWN DC SA 5071, AUSTRALIA			
DATE OF REGISTRATION	19/06/2013		विवास ।
TITLE	LIGHT WITH PASSIVE INFRA-RED SENSOR		ZHAHAHA (C
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
201216463	20/12/2012	AUSTRALIA	

DESIGN NUMBER	257012	
CLASS 05-05		- De 2
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A	E LIMITED, AN INDIAN PRIVATE LIMITED OER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT AT HANUMAN SILK MILL COMPOUND, A MALL, MUMBAI-400078 MAHARASHTRA,	COLUMN CO
DATE OF REGISTRATION	30/09/2013	minimization of the second
TITLE	TEXTILE FABRIC	
PRIORITY NA		<b>65 65</b>
DESIGN NUMBER	257083	
CLASS	05-05	
ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA		0
DATE OF REGISTRATION	30/09/2013	
TITLE	TEXTILE FABRIC	
PRIORITY NA		
DESIGN NUMBER	257108	
CLASS	05-05	是《AV WE 5 2000 /
COMPANY INCORPORATED UND ACT, 1956, AND HAVING ITS'S RE RELIABLE HOUSE, SITUATED A	E LIMITED, AN INDIAN PRIVATE LIMITED DER THE PROVISION OF THE COMPANIES GISTERED OFFICE AT AT HANUMAN SILK MILL COMPOUND, A MALL, MUMBAI-400078 MAHARASHTRA,	
DATE OF REGISTRATION	30/09/2013	
TITLE	TEXTILE FABRIC	unun manamununun
PRIORITY NA		WW CHICAGON CONTRACTOR

DESIGN NUMBER		255727	
CLASS	23-02		
1)HANSGROHE SE, OF AUESTR. 5-9, D-77761 SCHIL'	ГАСН, GERMANY, A	GERMAN COMPANY	
DATE OF REGISTRATION	30	3/08/2013	
TITLE	HEA	D SHOWER	
PRIORITY			
PRIORITY NUMBER	DATE	COUNTRY	
001363329-0001	06/03/2013	ОНІМ	
DESIGN NUMBER		257085	
CLASS		05-05	
RELIABLE HOUSE, SITUATED A KANJURMARG (WEST), OPP. HUMA INDIA  DATE OF REGISTRATION	A MALL, MUMBAI-40		
	TEXTILE FABRIC		
PRIORITY NA	TEATILE PADRIC		Charles and a same
DESIGN NUMBER		257110	
CLASS		05-05	
1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA			
DATE OF REGISTRATION	30	0/09/2013	
TITLE	TEXT	ILE FABRIC	1219 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
PRIORITY NA			

DESIGN NUMBER	254916	
CLASS	25-99	

# 1)ALUDECOR LAMINATION PRIVATE LIMITED, OF

1, R. N. MUKHERJEE ROAD, SUITE NO. 52, 5TH FLOOR, MARTIN BURN BUILDING, KOLKATA-700001, AN INDIAN PRIVATE LIMITED COMPANY

DATE OF REGISTRATION	02/07/2013	
TITLE	COMPOSITE PANEL FOR BUILDING FACADE	



## PRIORITY NA

DESIGN NUMBER	246965
CLASS	12-16

# 1)BELL HELICOPTER TEXTRON INC., A U.S. COMPANY, POST OFFICE BOX 482, FT. WORTH, TX, J76101, U.S.A.

DATE OF REGISTRATION	06/08/2012	
TITLE	COCKPIT CENTER CONSOLE	



# **PRIORITY**

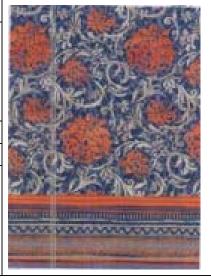
PRIORITY NUMBER	DATE	COUNTRY
29/413147	10/02/2012	U.S.A.

DESIGN NUMBER	256978	
CLASS	05-05	

# 1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT

RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA

DATE OF REGISTRATION	30/09/2013	
TITLE	TEXTILE FABRIC	



DESIGN NUMBER	257024	
CLASS	05-05	
1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA  DATE OF REGISTRATION  30/09/2013		
TITLE	TEXTILE FABRIC	
PRIORITY NA	IN THE RESERVE	
DESIGN NUMBER	257088	
CLASS	05-05	
1)M/S. BIBA APPARELS PRIVATE LIMITED, AN INDIAN PRIVATE LIMITED COMPANY INCORPORATED UNDER THE PROVISION OF THE COMPANIES ACT, 1956, AND HAVING ITS'S REGISTERED OFFICE AT RELIABLE HOUSE, SITUATED AT HANUMAN SILK MILL COMPOUND, KANJURMARG (WEST), OPP. HUMA MALL, MUMBAI-400078 MAHARASHTRA, INDIA		3000000000
DATE OF REGISTRATION	30/09/2013	meroecoecoecoe
TITLE	TEXTILE FABRIC	
PRIORITY NA		THE RESIDENCE OF THE PARTY OF T